

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

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FROM the commencement of the present year the registered Births and Deaths in LONDON and in NINETEEN other LARGE CITIES and TOWNS in the UNITED KINGDOM, having an estimated aggregate population of nearly *seven and a quarter millions*—or one fourth of the whole population of the Kingdom—will be given in the Weekly Return. Several additions have been made to the information hitherto published; the towns of Portsmouth, Norwich, Wolverhampton, Leicester, Nottingham, and Sunderland, all important centres of population, are now included for the first time; and many interesting particulars relative to the causes of fatal disease in the provincial towns as well as in London, will be found in the Tables. The Registrar General has thus endeavoured to render the Weekly Return more useful to the authorities, to men of science, and to the public.

During the week ending Saturday the 8th instant, 5123 *births* and 4162 *deaths* were registered in LONDON and the NINETEEN other LARGE CITIES and TOWNS; the aggregate mortality was in the ratio of 30 deaths annually to every 1000 of the present estimated population.

A comparison of the *deaths* registered last week in the English cities and towns shows that the annual rate of mortality was 38 per 1000 in Salford, 37 in Manchester, 37 in Bristol, 35 in Nottingham, 33 in Newcastle-upon-Tyne, 31 in Leicester, 30 in Leeds, 30 in Birmingham, 28 in London, 28 in Liverpool, 28 in Sheffield, 27 in Norwich, 26 in Portsmouth, 24 in Wolverhampton, 23 in Sunderland, 22 in Bradford, 21 in Hull. Half the deaths in Sunderland were of infants in their first year, the proportion of these premature deaths in London and the other towns being on an average about one fourth of the total mortality. Measles and scarlet fever caused one fourth of the deaths in Portsmouth, and one seventh of the deaths in Bristol; scarlet fever caused 18 out of 150 deaths in Leeds, and 25 out of 134 deaths in Sheffield; whooping-cough caused 16 out of 215 deaths in Birmingham, and 29 out of 351 deaths in Manchester and Salford.

The Registrars General of Scotland and Ireland supply the facts which show that *deaths* occurred last week at the annual rate of 37 per 1000 in Edinburgh; 47 in Glasgow; and 28 in Dublin.

By the courtesy of the Prefect of the Seine, of Dr. Zuelzer, and of Dr. Glatte, the Registrar General is enabled to state that in Paris the *deaths* recorded during the week ending 8th January, were at the rate of 31; in Berlin, during the seven days ending 6th January, 29; and in Vienna, during the week ending 1st January, 24 per 1000 annually. Out of 1106 deaths recorded in Paris last week, 40 were caused by small-pox.

In LONDON, the *births* of 1247 boys and 1184 girls, in all 2431 children, were registered last week. The *deaths* registered in the same time were 1697. During the corresponding week of ten previous years the registered births averaged 2118, and the deaths 1545 per week; after making due allowance for increase of population, the average for the past week is estimated at 2330 births and 1699 deaths. The registered births were therefore 101 above, and the deaths 2 below the estimated average.

The total population of London estimated to the middle of the present year is 3,214,707; and the registration districts constituting the metropolitan area, when arranged according to their topographical position, are thrown into five groups for purposes of general comparison. Of these, the Western group has a population of 540,647; the Northern group of 733,250; the Central group of

356,385; the Eastern group of 627,620, and the large Southern group (comprising all the districts south of the Thames) of 956,805. The annual death-rate in the several groups was last week 26 per 1000 in the Southern, 26 in the Northern, 28 in the Western, 28 in the Central, and 31 in the Eastern group.

The deaths registered last week include 8 from small-pox, 30 from measles, 134 from scarlet fever, 5 from diphtheria, 67 from whooping-cough, 4 from typhus, 13 from enteric (or typhoid) fever, 18 from simple continued fever, 19 from diarrhoea, 138 from phthisis, 295 from bronchitis, 102 from pneumonia, and 82 from heart disease.

Five out of the 8 fatal cases of small-pox occurred in the East Districts.

The epidemic of scarlet fever is still maintaining its hold upon the metropolis, and especially in the poorest and most densely populated districts. The 134 deaths registered from that cause last week were, however, the fewest in number which have been recorded in any week (excepting the Christmas week) since the middle of August last. During the 52 weeks ended on January 1st, there were altogether 5803 deaths registered in London from scarlet fever, a mortality equivalent to 183 deaths to every 100,000 of the population. The disease was therefore more fatal in London last year than in any previous year since registration commenced, the nearest approach to so high a death-rate having been in 1863, when scarlet fever killed 171 persons to every 100,000 of the then population.

The following three deaths from relapsing fever were registered:—

CITY OF LONDON; *Broad Street*.—At 2 Pitcher's-court, on 6th January, the widow of a tailor, aged 52 years, "bronchitis (30 days); relapsing fever (12 days)."

POPULAR; *Poplar*.—At 7 Upper North-street, on 5th January, the daughter of a greengrocer, aged 4 years, "relapsing fever."

ST. SAVIOUR SOUTHWARK; *Christchurch*.—At 48 Gravel-lane, on 7th January, a tailor, aged 36 years, "relapsing fever; paralysis."

A labourer, aged 78 years, died in the workhouse of St. Saviour, Southwark, on the 30th December, of "congestion of brain, caused by exposure to cold;" and a boot-and-shoe finisher, aged 48 years, died in the sub-district of St. Mary, Newington, on 28th December, of "congestive apoplexy, from excessive drinking and exposure."

Eighty-three persons died aged 80 years and upwards.

The deaths of six persons who were killed by horses or vehicles in the streets were registered last week:—

A goldsmith, aged 37 years, "run over by a cab." Died on 1st January at 35 Flask-walk, Hampstead. (*Inquest*.)

A pork butcher, aged 33 years, "fractured skull; fell from a cart" on 29th December. Brought dead to St. Bartholomew's Hospital. (*Inquest*.)

A drayman, aged 35 years, "fractured skull; fell from a waggon" on 27th December. Brought dead to St. Bartholomew's Hospital. *Post mort.* (*Inquest*.)

A carman, aged 35 years, "fell from a van." Died on 5th January in the London Hosp. (*Inq.*)

A messenger, aged 56 yrs., "run over by a van." Died on 23d Dec. at Newington Butts. (*Inq.*)

A lighterman, aged 28 years, "fractured skull; run over by a van" on 30th December. Brought dead to Guy's Hospital. (*Inquest*.)

The chief meteorological features of the week, as recorded at the Royal Observatory, Greenwich, were as follow:—Mean height of the *barometer* 29·450 in. The barometrical readings increased from 29·24 in. at the beginning of the week to 29·73 in. on Tuesday the 4th instant, decreased to 29·59 in. on Wednesday, increased to 29·69 in. on Thursday, decreased to 28·91 in. on Saturday, and was 29·18 in. at the end of the week. The *mean temperature* of the *air* was 45·2° or 8·9° above the mean temperature of corresponding weeks in 50 years (1813–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature was 50·9° on Saturday last. The lowest night temperature was 37·2° on Wednesday and Thursday; the entire range of temperature in the week was, therefore, 13·7°; the mean temperature was above the average on every day in the week. The mean of the highest temperatures of the water of the Thames was 40·6°; that of the lowest was 38·5°. The difference between the mean dew-point temperature and air temperature was 3·6°. The mean degree of humidity of the air was 87, complete saturation being represented by 100. Rain fell to the amount of 0·79 in. The general direction of the wind was S.W., S.S.W., and W.S.W.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 269,168 cubic metres, and at Barking 155,897 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FIRST Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1863	1869	Average of 10 Weeks.	1870
TOTAL Births	2008	1892	2173	2146	1946	2059	2252	2005	2318	2409	2117.8	2431
Males . .	1003	1003	1104	1099	988	1043	1127	1031	1190	1243	1083.1	1247
Females .	1005	889	1069	1047	958	1016	1125	974	1128	1166	1034.7	1184
TOTAL Deaths	1231	1707	1867	1553	1798	1660	1520	1437	1624	1501	1544.8	1697
Males . .	629	843	684	775	877	828	752	723	821	732	766.9	838
Females .	652	864	683	778	921	832	768	709	803	769	777.9	859

Notes.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	Oct. 16.	Oct. 23.	Oct. 30.	Nov. 6.	Nov. 13.	Nov. 20.	Nov. 27.	Dec. 4.	Dec. 11.	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.
TOTAL Deaths - - -	1805	1476	1536	1772	1689	1859	1676	1705	1759	1566	1357	1996	1697
Deaths under 5 years of age -	681	736	719	848	773	855	790	811	823	706	596	840	694
Deaths 5—20 - - -	120	167	151	149	184	169	141	178	138	127	130	157	105
Deaths 20—40 - - -	163	182	192	226	197	233	190	178	187	175	159	244	192
Deaths 40—60 - - -	177	178	240	223	245	246	249	243	260	237	212	297	256
Deaths 60—80 - - -	141	177	177	282	239	293	258	246	279	260	221	366	367
Deaths at 80 years & upwards	23	36	57	44	51	63	48	49	67	61	39	92	83
Deaths from Small-pox -	8	3	2	9	31	50	5	10	11	8	5	7	8
" " Measles - - -	27	27	29	46	31	50	50	40	35	26	31	59	30
" " Scarlet Fever -	224	233	229	241	218	203	219	245	209	186	123	159	134
" " Diphtheria - -	14	11	11	8	10	7	7	4	8	8	7	9	5
" " Whooping-cough	60	67	45	74	69	69	70	63	71	62	65	57	67
" " Typhus fever -	7	9	8	11	10	13	11	13	7	12	8	12	4
" " Enteric (or Typhoid) fever -	16	23	30	18	14	27	23	18	14	16	14	18	13
" " Simple Contag fever	13	6	6	12	15	14	11	18	19	16	16	21	18
" " Diarrhoea - - -	51	45	34	29	21	29	20	19	13	14	14	22	19
" " Phthisis - - -	141	150	175	191	173	159	187	153	148	157	119	207	138
" " Bronchitis - - -	72	101	150	219	227	265	250	272	259	208	185	305	295
" " Pneumonia - - -	56	70	102	114	133	138	119	106	122	103	87	120	102
" " Heart Disease -	55	57	60	66	70	79	69	62	76	69	55	91	82
Mean Temperature of the Air	54.5	42.7	40.0	46.6	41.1	45.8	41.0	34.2	39.2	44.7	38.2	34.2	45.2
Mean Temperature of the Water of the Thames	57.4	50.0	45.7	45.0	44.0	44.3	43.1	39.7	36.3	40.0	41.6	38.4	39.5
Humidity of the Air - -	85	84	79	81	79	88	89	83	93	84	85	83	87
Rain-fall in inches - -	0.25	0.90	0.21	0.27	0.08	0.10	1.16	0.80	0.43	1.23	0.86	0.31	0.79

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatier, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 8th day of January 1870, in the following large TOWNS.

BOROUGH, &c. (Municipal Boundaries for all except LONDON.)	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 8th Jan.	DEATHS registered during the Week ending 8th Jan.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTIGRADE.)	RAIN FALL.	
					Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	Centimeters.
TOTAL of 20 TOWNS in the UNITED KINGDOM.	7,209,603	33·6	5123	4162	53·9	31·0	43·2	6·22	1·00	2·54
LONDON	3,214,707	41·2	2431	1697	50·9	37·2	45·2	7·33	0·79	2·00
PORTSMOUTH	122,084	12·8	74	60	51·5	36·6	45·2	7·33	0·75	1·90
NORWICH	81,087	10·9	54	42	49·5	34·5	43·8	6·56	0·47	1·19
BRISTOL	171,882	36·6	121	123	52·1	38·3	45·5	7·50	0·89	2·26
WOLVERHAMPTON	72,990	21·5	35	34	49·2	35·0	43·6	6·45	0·70	1·78
BIRMINGHAM	369,604	47·2	253	215	50·7	36·0	44·2	6·78	0·79	2·00
LEICESTER	97,427	30·4	79	57	50·0	33·0	43·6	6·45	0·85	2·16
NOTTINGHAM	88,888	44·5	46	60	—	—	—	—	—	—
LIVERPOOL	517,567	101·3	321	278	53·9	36·9	43·5	6·39	1·05	2·67
MANCHESTER	374,993	83·6	259	263	51·8	34·0	43·4	6·33	1·48	3·77
SALFORD	121,580	23·5	108	88	52·5	33·0	43·6	6·45	1·34	3·40
BRADFORD	143,197	21·7	117	61	50·5	36·4	43·3	6·28	1·22	3·10
LEEDS	259,527	12·0	89	150	52·0	37·0	44·4	6·89	0·76	1·93
SHEFFIELD	247,378	10·8	202	134	51·0	35·0	43·8	6·56	1·26	3·20
HULL	130,869	36·7	89	52	49·0	31·0	41·2	5·11	0·55	1·40
SUNDERLAND	94,257	19·6	45	42	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	133,367	25·0	82	84	46·0	34·0	40·6	4·78	1·14	2·90
EDINBURGH	178,970	40·4	130	128	46·7	35·0	40·5	4·72	1·30	3·30
GLASGOW	468,189	92·5	435	420	44·6	35·5	39·8	4·34	1·79	4·54
DUBLIN (City and some suburbs)	321,540	33·0	153	174	51·5	31·2	42·1	5·62	0·92	2·34
PARIS	1,889,842	—	—	1106	—	—	—	—	—	—
					Week ending 1st January 1870.					
VIENNA	605,200	—	—	284	—	—	28·4	—2·00	—	—
					Week ending 6th January 1870.					
BERLIN	702,437	—	647	398	—	—	34·3	1·25	—	—

The areas in the above Boroughs have been revised by Colonel Sir Henry James, R.E., F.R.S.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS during the Week ending Saturday the 8th day of January 1870.

BOROUGH, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MORTALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Prison.
LONDON	28	1697	345	450	8	30	134	5	67	35	19	63	116	2
PORTSMOUTH	26	60	6	12	—	9	7	1	—	2	—	2	3	—
NORWICH	27	42	11	17	—	1	2	—	1	—	—	—	—	—
BRISTOL	37	123	20	41	1	10	6	—	1	2	1	3	4	—
WOLVERHAMPTON	24	34	6	11	—	—	1	1	1	—	—	1	—	—
BIRMINGHAM	30	215	42	58	—	5	6	—	16	8	4	15	32	—
LEICESTER	31	57	15	14	—	—	2	—	1	—	1	1	5	—
NOTTINGHAM	35	60	16	18	—	—	2	—	4	3	—	1	4	—
LIVERPOOL	28	278	66	68	—	5	21	2	5	6	1	18	25	4
MANCHESTER	37	263	51	40	2	3	8	1	21	15	2	12	26	4
SALFORD	38	88	22	20	2	—	1	—	8	2	2	3	10	—
BRADFORD	22	61	17	8	—	—	—	1	1	3	1	1	—	—
LEEDS	30	150	39	24	1	1	18	—	6	5	1	3	6	—
SHEFFIELD	28	134	28	18	—	3	25	2	5	10	—	5	10	—
HULL	21	52	12	13	—	—	3	—	1	1	1	6	5	—
SUNDERLAND	23	42	21	4	—	—	2	—	2	1	1	—	1	—
NEWCASTLE-ON-TYNE	33	84	17	18	—	1	3	1	6	7	2	—	2	—
DUBLIN	28	174	18	43	—	1	13	2	1	11	4	11	10	—

TABLE 5.—DEATHS in LONDON Registered in the First Week of the Year 1870.

CAUSES OF DEATH.		Averages of the First Week in the 10 years 1860-69.	In the Week ending Saturday, January 8, 1870.								CAUSES OF DEATH.		Averages of the First Week in the 10 years 1860-69.	In the Week ending Saturday, January 8, 1870.							
			Deaths of Persons of the Ages											Deaths of Persons of the Ages							
			ALL AGES.	Under 20.		40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.	Under 20.				40 and under 60.	60 and under 80.	80 Years and upwards.					
				Mean Tem.	0-5.					5-20.							Mean Tem.	0-5.	5-20.		
Mean Temperature		36°1	45°2	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature		36°1	45°2	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES		1544·8	1697	694	105	192	256	367	83	9. Stricture of Intestines		·7	1	-	-	-	-	1	-		
SPECIFIED CAUSES		1528·0	1694	692	105	192	255	367	83	10. Fistula		·4	-	-	-	-	-	-	-		
										11. Stomach Disease, &c.		6·1	5	1	-	-	2	1	-		
										12. Pancreas Disease, &c.		·9	4	-	-	-	2	2	-		
										13. Hepatitis		·9	4	-	-	-	1	1	-		
										14. Jaundice		·9	2	-	-	-	1	1	-		
										15. Liver Disease, &c.		17·5	16	-	-	1	10	5	-		
										16. Spleen Disease, &c.		·3	-	-	-	-	-	-	-		
ZYMOTIC DISEASES.										ORDER 5.											
ORDER 1.										1. Nephritis		1·3	3	-	2	1	-	-	-		
Small pox		19·2	8	7	1	-	-	-	-	2. Ischuria		·3	-	-	-	-	-	-	-		
Measles		41·4	30	28	2	-	-	-	-	3. Bright's Disease (Nephria)		8·6	11	-	1	2	4	2	2		
Scarlet Fever (Scarlatina)		57·2	134	95	37	1	1	-	-	4. Diabetes		1·5	1	-	1	-	-	-	-		
Diphtheria		11·0	5	4	-	1	-	-	-	5. Calculus (Stone)		·8	1	-	-	-	1	-	-		
Quincy		1·1	1	-	-	-	-	-	-	6. Cystitis		1·5	3	-	-	-	1	2	1		
Croup		17·3	12	12	-	-	-	-	-	7. Kidney Disease, &c.		·9	2	-	-	2	2	3	1		
Whooping-cough		58·0	67	68	1	-	-	-	-	ORDER 6.											
Typhus		·4	4	-	1	2	1	-	-	1. Ovarian Dropsy		·9	1	-	-	-	1	-	-		
Enteric or Typhoid Fever		54·4	13	8	5	4	1	-	-	2. Uterus Disease, &c.		4·4	6	-	-	2	2	2	-		
Simple continued Fever		7·7	18	9	1	5	1	2	-	ORDER 7.											
Erysipelas		·7	5	1	-	-	2	2	-	1. Synovitis (Arthritis)		-	1	-	1	-	-	-	-		
Puerperal Fever (Metria)		3·9	·6	-	-	-	-	-	-	2. Joint Disease, &c.		5·4	5	1	2	-	1	1	-		
Carbuncle		·6	-	-	-	-	-	-	-	ORDER 8.											
Influenza		1·7	-	-	-	-	-	-	-	1. Phlegmon		2·4	1	-	-	-	1	-	-		
Dysentery		3·0	-	-	-	-	-	-	-	2. Ulcer		1·0	1	-	-	-	-	-	1		
Diarrhoea		13·2	19	16	-	-	2	1	-	3. Skin Disease, &c.		1·0	2	2	-	-	-	-	-		
Simple Cholera		·7	-	-	-	-	-	-	-	IV. DEVELOPMENTAL DISEASES.											
Acute		·4	-	-	-	-	-	-	-	ORDER 1.											
Remittent Fever		1·0	-	-	-	-	-	-	-	1. Premature Birth		21·2	12	12	-	-	-	-	-		
Rheumatism		7·9	7	-	1	1	2	1	2	2. Cyanosis		2·9	2	2	-	-	-	-	-		
Other Zymotic Diseases		·2	1	1	-	-	-	-	-	3. Spina Bifida		·3	2	2	-	-	-	-	-		
ORDER 2.										4. Other Malformations		1·9	2	2	-	-	-	-	-		
Syphilis		7·4	12	9	-	2	1	-	-	5. Teething		15·7	13	13	-	-	-	-	-		
Stricture of Urethra		·8	-	-	-	-	-	-	-	ORDER 2.											
Hydrophobia		-	-	-	-	-	-	-	-	1. Paramania		·1	-	-	-	-	-	-	-		
Glanders		-	-	-	-	-	-	-	-	2. Childbirth (see Puerperal Fever)		6·0	4	-	-	4	-	-	-		
ORDER 3.										ORDER 3.											
Privation		·7	-	-	-	-	-	-	-	1. Old Age		64·7	78	-	-	-	-	32	46		
Want of Breast milk		8·0	9	1	-	-	-	-	-	ORDER 4.											
Purpura and Scurvy		·9	1	-	-	1	-	-	-	1. Atrophy and Debility		58·2	65	54	-	-	3	8	-		
Alcohol & Del. Tremens		2·8	2	-	-	2	-	-	-	V. VIOLENT DEATHS, &c.											
Alism & Intemperance		2·9	1	-	-	1	-	-	-	ORDER 1.											
ORDER 4.										(ACCIDENT OR NEGLIGENCE.)											
Thrush		2·6	2	2	-	-	-	-	-	1. Fractures and Contusions		16·5	23	1	1	8	7	6	-		
Worms, &c.		·2	-	-	-	-	-	-	-	2. Wounds		·6	2	1	-	-	-	-	-		
CONSTITUTIONAL DIS.										3. Burns and Scalds		11·1	5	2	1	-	-	2	-		
ORDER 1.										4. Poison		·6	3	-	-	2	1	-	-		
Gout		2·2	3	-	-	-	2	6	1	5. Drowning		4·3	7	-	-	2	2	3	-		
Dropsy		16·0	14	4	-	1	2	6	1	6. Suffocation		11·5	12	12	-	-	-	-	-		
Cancer		25·1	34	-	-	2	15	17	-	7. Otherwise		2·2	2	-	-	1	1	-	-		
Cancerum Oris (Noma)		1·0	-	-	-	-	-	-	-	ORDER 3.											
Mortification		3·6	3	-	-	1	1	1	-	(HOMICIDE.)											
ORDER 2.										1 Murder and Manslaughter		2·4	1	1	-	-	-	-	-		
Scrofula		8·5	9	8	-	-	1	-	-	ORDER 4.											
Tuberc Mesenterica		15·9	18	16	2	-	-	-	-	(SUICIDE.)											
Furunculosis		166·0	138	8	12	65	43	10	-	1. Wounds { Gunshot		·4	1	-	-	1	-	-	-		
Hydrocephalus		30·0	33	29	4	-	-	-	-	2. Poison		1·3	1	-	-	-	1	-	-		
LOCAL DISEASES.										3. Drowning		·6	1	-	-	-	-	-	-		
ORDER 1.										4. Hanging		1·1	2	-	-	1	-	1	-		
Cephalitis		12·9	14	9	1	3	1	-	-	5. Otherwise		·6	1	-	-	1	-	-	-		
Apoplexy		38·1	50	1	5	8	12	22	2	ORDER 5.											
Paralysis		30·3	39	-	-	4	8	24	3	(EXECUTION.)											
Insanity		2·6	2	-	-	-	1	1	-	1. Hanging		-	-	-	-	-	-	-	-		
Chorea		·2	-	-	-	-	-	-	-	Violent Deaths (not classed)		·5	1	1	-	-	-	-	-		
Epilepsy		9·7	6	1	-	1	3	1	-	Sudden Deaths (Cause un-		3·4	2	1	-	-	1	-	-		
Convulsions		55·7	64	59	3	2	-	-	-	ascertained)		-	-	-	-	-	-	-	-		
Brain Disease, &c.		18·3	22	1	-	6	8	6	1	Causes not specified or ill-		13·4	1	1	-	-	-	-	-		
ORDER 2.										defined											
Pericarditis		2·9	3	-	2	-	1	-	-												
Aneurism		2·4	3	-	-	1	1	1	-												
Heart Disease, &c.		68·4	82	-	5	13	25	36	3												
ORDER 3.																					
Laryngitis		8·7	13	10	-	-	2	1	-												
Bronchitis		222·1	295	101	2	12	37	124	19												
Pleurisy		3·1	3	1	-	-	2	-	-												
Pneumonia		98·2	102	62	3	10	15	11	1												
Asthma		21·6	15	-	-	2	13	-	-												
Lung Disease, &c.		17·0	26	7	2	5	8	4	-												
ORDER 4.																					
Gastritis		1·5	-	-	-	-	-	-	-												
Enteritis		4·7	7	3	2	1	-	-	-												
Peritonitis		4·0	9	-	-	1	3	4	1												
Ascites		2·8	1	-	-	-	-	-	-												
Ulceration of Intestines		2·9	4	1	1	-	1	1	-												
Hernia		3·9	3	-	-	2	-	-	-												
Hæmorrhage		4·0	8	2	-	1	3	2	-												
Intussusception		·7	-	-	-	-	-	-	-												

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, and DYPHTHERIA, during the Week ending

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
LONDON		2,803,989	2431	1697	345	450	8	30	134	5	67	4	13	18	19	63	116	21
WEST DISTRICTS		458,125	354	287	57	83	-	4	14	2	14	-	1	5	5	5	20	-
NORTH DISTRICTS		618,210	584	362	54	115	2	3	39	1	10	-	-	1	2	8	26	4
CENTRAL DISTRICTS		383,321	245	192	33	51	-	1	16	-	2	-	3	1	-	12	21	30
EAST DISTRICTS		571,458	366	371	89	79	5	11	33	2	15	2	2	6	7	21	23	67
SOUTH DISTRICTS		773,175	742	485	106	122	1	11	41	-	26	2	7	5	5	17	56	65
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	41	33	7	11	-	-	2	-	1	-	-	-	-	-	1	1
St. John Paddington H		36769	20	18	4	7	-	-	1	-	-	-	1	-	-	-	-	3
Kensington Town W		19190	67	41	7	12	-	3	1	1	1	-	-	1	1	1	5	8
Brompton H		18198	14	29	2	6	-	-	-	-	1	-	-	-	-	-	-	1
St. Peter Hammersmith		5415	3	8	1	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith		19104	34	17	6	3	-	-	2	-	2	-	-	-	2	-	2	-
Fulham W		15539	14	11	1	2	-	-	-	-	-	-	-	1	1	1	-	3
Chelsea South H		21654	10	8	1	2	-	-	-	-	1	-	-	-	-	-	-	-
Chelsea North-west HW		19869	14	12	3	5	-	-	1	-	-	-	-	-	-	-	1	-
Chelsea North-east		21886	19	4	1	2	-	1	-	-	-	-	-	-	-	-	-	-
Hanover Square		19773	3	7	-	2	-	-	-	-	-	-	-	-	-	-	-	-
May Fair W		12885	3	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Belgrave H		33113	42	39	7	8	-	-	3	-	5	-	-	2	-	1	1	6
St. John Westminster		37483	27	17	7	6	-	-	2	-	-	-	-	-	1	-	2	-
St. Margaret Westminster WH		30750	17	16	3	5	-	-	1	-	-	-	-	-	-	-	2	-
St. James's Square		10753	8	5	-	3	-	-	-	-	-	-	-	-	-	-	1	-
Golden Square W		13966	8	10	3	2	-	-	-	-	-	-	-	-	-	-	1	-
Berwick-street		10907	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Anne Soho		17426	10	10	3	3	-	-	1	-	2	-	-	-	-	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	24	24	2	6	-	-	4	-	1	-	-	-	-	-	-	6
Cavendish Square		15099	14	4	-	2	-	-	2	-	-	-	-	-	-	-	-	-
Rectory Marylebone W		26692	20	25	4	7	-	-	1	-	-	-	-	-	-	-	1	11
St. Mary Marylebone		22493	24	15	1	6	-	-	2	-	-	-	-	-	-	-	-	-
Christchurch Marylebone		34913	29	18	-	6	-	-	-	-	1	-	-	-	-	-	1	3
St. John Marylebone		32540	17	16	3	5	-	1	1	-	-	-	-	-	-	-	1	1
Hampstead W		19106	13	9	1	2	-	-	-	-	1	-	-	-	-	-	1	-
Regent's Park Pancras		34927	32	17	5	6	-	-	1	-	-	-	-	-	-	1	2	-
Tottenham-court WH		29371	29	18	2	7	-	1	-	-	-	-	-	1	-	-	2	5
Gray's Inn Lane H		27808	33	9	3	3	-	-	-	1	-	-	-	-	-	-	-	-
Somers Town		39099	31	12	-	6	-	-	-	-	-	-	-	-	-	1	1	-
Camden Town W		23266	27	14	3	7	-	-	-	-	-	-	-	-	-	2	5	8
Kentish Town		44317	56	27	6	8	1	-	2	-	2	-	-	-	-	1	2	-
Islington West* WHH		75442	86	53	8	16	1	-	5	-	1	-	-	-	-	-	3	7
Islington East WH		79809	71	52	12	12	-	1	4	-	2	-	-	1	-	-	1	1
Stoke Newington		6603	7	3	-	1	-	-	2	-	-	-	-	-	-	-	-	-
Stamford Hill		5483	2	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-
West Hackney		24265	26	9	2	2	-	-	-	-	-	-	-	-	-	-	1	3
Hackney WHW		31481	31	25	1	10	-	-	3	-	1	-	-	-	1	-	3	7
South Hackney L		15458	12	10	1	3	-	-	2	-	-	-	-	-	-	-	1	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	7	7	1	2	-	-	1	-	-	-	1	-	-	-	1	1
St. Giles South W		19483	17	23	8	8	-	-	1	-	-	-	-	-	-	-	2	13
St. Giles North		17201	10	6	1	1	-	-	-	-	-	-	-	-	-	-	1	-
Long Acre		11618	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Charing Cross WH		11071	5	11	-	3	-	-	-	-	-	-	-	-	-	3	3	3
St. Mary-le Strand		10346	7	6	1	2	-	-	-	-	-	-	-	-	-	-	8	-
St. Clement Danes H		15207	4	16	-	3	-	-	-	-	-	-	-	-	-	1	1	9
St. George-the-Martyr H		19903	19	7	1	2	-	-	-	-	1	-	-	-	-	-	-	-
St. Andrew, East Holborn W		12947	7	8	2	1	-	-	-	-	-	-	1	-	-	-	-	2
Saffron Hill		12012	5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W		19152	18	9	1	4	-	-	1	-	-	-	-	-	-	-	-	1
Arnwell Clerkenwell		17250	11	10	2	2	-	-	2	-	-	-	-	-	-	-	1	-
Pentonville		13079	14	5	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Goswell-street		16200	13	6	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Old-street		11504	10	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-
City-road HL		17869	28	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Whitecross-street		14778	10	9	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury		12931	3	5	1	1	-	-	2	-	-	-	-	-	-	1	-	-
St. Botolph East London		20990	15	13	5	3	-	-	1	-	-	-	-	-	-	1	-	-
Cripplegate		19697	16	8	4	2	-	1	1	-	-	-	-	-	-	-	1	2
St. Sepulchre WH		11750	4	12	-	2	-	-	-	-	-	-	1	-	-	4	4	9
St. Bride		15395	5	7	-	2	-	-	1	-	1	-	-	-	-	-	-	-
Castle Baynard		7762	1	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9020	2	4	1	1	-	-	1	-	-	-	-	-	-	1	1	-
Queenhithe		8570	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Allhallows Barking		8659	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street		11544	6	3	1	-	-	-	1	-	-	-	-	1	-	-	-	-

(NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Saturday, 8th January 1870.

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																		
Polwell Shoreditch	-	17813	10	3	-	2	-	-	1	-	1	-	-	-	-	-	-	-
Leonard Shoreditch	L†	19188	10	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Hoxton New Town	W	26516	23	16	7	4	1	-	3	-	2	1	-	-	1	-	-	-
Hoxton Old Town	-	25777	24	11	3	3	-	-	2	-	-	-	-	-	-	-	-	-
Jaggerstone West	W	23250	14	24	6	5	-	-	1	2	1	-	-	2	-	-	-	7
Jaggerstone East	-	17310	15	7	3	1	-	-	-	-	-	-	1	-	-	-	-	-
Hackney-road	-	26298	29	21	9	1	-	2	2	1	1	-	-	1	1	2	7	-
Green, Bethnal Green	WILL†	31789	36	38	13	12	-	1	1	-	2	-	-	-	2	8	-	12
Church, Bethnal Green	-	25528	15	12	1	3	-	-	1	-	-	-	-	-	-	-	-	-
Town, Bethnal Green	-	21486	13	12	4	1	-	-	3	-	-	-	-	-	2	6	-	-
St. Giles Whitechapel	-	6557	7	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles Whitechapel	-	15700	9	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Giles Whitechapel	W	15392	14	16	1	8	-	2	-	-	-	-	-	-	-	-	-	16
St. Giles Whitechapel North	-	12122	8	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles Whitechapel Church	H	8062	7	14	-	2	-	-	-	-	-	-	-	-	2	2	2	12
St. Giles Whitechapel	-	14166	6	3	1	1	-	-	-	-	-	-	-	-	-	1	1	-
St. Giles Whitechapel	-	9971	6	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary St. George East	-	18181	17	13	7	-	-	-	-	-	1	-	-	-	-	1	1	-
St. Paul St. George East	-	21015	9	9	-	1	-	2	-	1	-	-	-	-	-	1	1	-
St. John St. George East	W	9695	3	10	1	4	-	-	2	-	-	-	-	-	-	-	-	5
St. Andrew W	-	12537	7	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew W	-	16874	14	9	2	2	-	-	-	-	-	-	-	-	1	-	1	2
St. Andrew W	-	27161	23	8	3	1	1	1	-	-	-	-	-	-	1	-	-	-
St. Andrew Old Town, West	-	33747	37	20	5	3	-	-	5	-	-	-	-	1	-	-	-	-
St. Andrew Old Town, East	W	39317	44	26	6	5	2	1	3	-	1	-	1	1	1	1	1	2
St. Andrew W	-	35667	66	32	5	6	1	-	5	-	2	-	-	-	-	-	-	6
St. Andrew W	-	43529	36	38	6	10	-	1	2	-	8	1	-	1	-	2	3	4
SOUTH DISTRICTS.																		
St. Andrew Southwark	W	17069	9	9	4	3	-	-	1	-	-	-	-	1	-	1	1	1
St. Andrew Southwark	H	19401	23	7	-	-	-	-	-	-	2	-	-	-	-	-	-	-
St. Andrew Southwark	-	18652	18	13	1	3	-	1	2	-	-	-	-	-	-	-	-	-
St. Andrew Southwark	W	16668	18	12	1	4	-	-	-	-	-	-	-	-	2	2	7	-
St. Andrew Southwark	L	19290	11	7	1	4	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew Southwark	-	22675	20	12	3	3	-	-	2	-	-	-	-	-	1	-	-	-
St. Andrew Southwark	W	44463	42	27	6	8	-	-	-	-	-	2	1	-	-	-	-	6
St. Andrew Southwark	H	15082	12	12	2	2	-	-	1	-	-	-	-	1	-	1	2	4
St. Andrew Southwark	H	7663	4	12	1	2	-	-	1	-	-	-	-	-	-	4	4	9
St. Andrew Southwark	W	11393	7	7	2	2	-	-	-	-	-	-	-	-	-	-	1	2
St. Andrew Southwark	-	16696	20	10	5	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Southwark	W	16505	14	14	-	6	-	1	1	-	1	1	-	-	-	-	-	7
St. Andrew Southwark	-	25154	38	18	4	5	-	-	-	-	-	-	-	-	1	-	1	-
St. Andrew Southwark	W	24502	23	12	1	2	-	-	2	-	1	1	-	-	-	-	-	-
St. Andrew Southwark	1st	15269	12	7	1	2	-	-	2	-	-	-	-	-	-	-	1	-
St. Andrew Southwark	2nd	18640	12	9	1	3	-	-	-	-	-	-	-	-	1	1	1	-
St. Andrew Southwark	1st	19839	22	5	2	1	-	1	1	-	1	-	-	-	-	-	-	-
St. Andrew Southwark	2nd	29542	24	25	3	13	-	1	1	-	-	-	-	-	1	1	8	-
St. Andrew Southwark	1st	39765	38	11	4	1	-	-	-	-	3	-	-	-	-	-	-	-
St. Andrew Southwark	-	20440	21	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Southwark	-	20067	23	12	4	2	-	-	2	-	-	-	-	-	1	-	-	-
St. Andrew Southwark	W	7402	3	7	1	-	-	2	-	-	1	-	-	-	-	-	-	-
St. Andrew Southwark	-	20894	15	9	3	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Andrew Southwark	W	18900	51	22	6	3	-	2	-	-	2	-	-	-	-	-	-	2
St. Andrew Southwark	L	18346	9	17	2	3	-	2	-	-	1	-	1	-	-	-	-	1
St. Andrew Southwark	-	6481	-	4	1	-	-	-	-	-	-	-	1	-	-	-	-	-
St. Andrew Southwark	-	10082	9	7	2	3	-	-	-	-	-	-	-	-	-	-	1	-
St. Andrew Southwark	-	1723	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Southwark	WILL†	21227	17	18	5	8	1	-	-	-	-	-	-	-	-	-	1	7
St. Andrew Southwark	-	28135	27	24	10	-	-	-	3	-	1	-	1	-	2	-	-	-
St. Andrew Southwark	-	20833	24	19	2	2	-	-	3	-	-	-	-	1	1	1	2	-
St. Andrew Southwark	-	37834	49	29	6	2	-	-	5	-	3	-	1	2	-	1	3	-
St. Andrew Southwark	-	8139	8	4	-	2	-	1	-	-	-	-	-	-	-	-	1	-
St. Andrew Southwark	H	21696	12	6	-	3	-	-	-	-	-	-	-	-	-	1	-	3
St. Andrew Southwark	WH	18306	14	9	-	6	-	1	-	-	-	1	-	-	-	-	1	4
St. Andrew Southwark	-	3099	1	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Southwark	-	11003	10	8	2	3	-	-	-	-	1	-	-	-	-	-	-	-
St. Andrew Southwark	W	7372	10	5	2	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew Southwark	-	10595	13	4	1	-	-	-	-	-	-	-	-	-	1	2	-	-
St. Andrew Southwark	-	9276	5	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew Southwark	H	22919	11	9	2	1	-	-	2	-	-	-	1	-	-	-	-	-
St. Andrew Southwark	H	18776	18	12	5	2	-	-	1	-	1	-	-	-	-	-	-	-
St. Andrew Southwark	-	9	7	3	3	-	-	1	1	-	2	-	-	-	-	-	-	-
St. Andrew Southwark	-	24502	14	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " " Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and
London City " " " Islington East.	Stepney " " Bow sub-district.
Do. do. " " " Hackney sub district.	

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 8th JANUARY, 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BAROMETER.		READINGS OF THERMOMETERS.					DIFFERENCE.				WIND.		RAIN.											
Phases of Moon.	Mean daily reading corrected to 32° Fahr. height.	Dry.			Dew Point.		Highest in the sun, as shown by a self-registering thermometer placed on the Grass.		Lowest in the Water of Greenwich, by self-registering thermometers.		Between Dew Point and Air Temperature.		Between mean temperature of the day and mean temperature of the same day by 100, of 50 years.*		Degree of humidity, complete saturation being supposed by 100.		As deduced from Anemometers.	Collected in a Gauge whose surface is 5 in. above the ground.								
		High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean	Thermometer blackened in vacuo, placed on the Grass.	Mean	Thermometer registering minimum temperature.	Mean	Thermometer.	Mean	Thermometer.	Least.	Mean of 21 Obs.			lbs.	Miles.	Inches					
JANUARY.																										
SUNDAY	2	New	29.439	48.8	44.1	4.7	46.0	43.2	55.0	41.5	0	0	2.8	0	0	0.4	0	90	S.	S. SSW. & SSW. SSW.	1.9	0.0	0.2	277	0.01	
MONDAY	3	Greatest Dec. S.	29.532	50.6	43.2	7.4	46.5	43.6	67.6	38.2	38.4	36.4	2.9	7.1	0.0	0	9.8	90	SSW.	SSW. & SSW. SSW.	2.2	0.0	0.2	237	0.04	
TUESDAY	4	..	29.664	49.4	44.5	4.9	47.1	43.8	53.9	41.3	39.4	36.4	3.3	5.0	0.7	0	10.7	88	S. & SSW.	SSW. SW.	3.6	0.0	0.7	368	0.03	
WEDNESDAY	5	..	29.614	47.6	37.2	10.4	43.0	41.5	48.5	33.0	40.4	37.7	1.5	4.0	0.0	0	6.8	95	SSW.	SSW.	3.8	0.0	0.2	261	0.44	
THURSDAY	6	..	29.565	46.8	37.2	9.6	42.7	39.8	56.3	30.8	40.4	38.4	2.9	5.5	1.2	0	6.7	89	SSW.	SSW.	3.1	0.0	0.6	392	0.01	
FRIDAY	7	..	29.346	48.9	42.3	6.6	45.4	40.9	56.7	37.7	41.4	39.4	4.5	6.3	1.7	0	9.6	84	SW. & WSW.	SW. & WSW. & WSW.	25.0	0.1	2.0	570	0.19	
SATURDAY	8	..	28.989	50.9	42.4	8.5	45.6	38.5	50.9	40.0	43.4	42.4	7.1	9.7	2.4	0	9.9	76	SW.	SW. & WSW.	30. +	0.2	9.4	845	0.08	
MEANS		..	29.450	49.0	41.6	7.4	45.2	41.6	55.6	37.5	(6 days) 40.6	(6 days) 33.5	3.6	5.9	0.9	0	8.9	87	SW,SSW,&WSW.	Sum 2950	0.79	3.1
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	

ELECTRICITY.

SKY AND ATMOSPHERE.

NOTES.

DATE.	THUNDER.	SKY AND ATMOSPHERE.	NOTES.
JANUARY.			
SUNDAY . 2	..	Generally overcast. Thin rain fell occasionally.	The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's standard barometer. The observations are taken at 9h. A.M.; noon; 3 P.M.; and the wet thermometer observed at these times are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31—See <i>Phil. Trans.</i> , part 1, 1848. The mean daily wet bulb and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1845, December 31.
MONDAY . 3	..	Generally overcast. Rain fell between 2h. A.M. and 3h. A.M. Solar halos were seen at 10h. 30m. A.M. and 2h. 45m. P.M.	* In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.
TUESDAY . 4	..	Generally overcast till night, and rain fell frequently; cloudless at night, and a faint aurora was seen.	The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.
WEDNESDAY . 5	..	Partially cloudy. Thin rain fell at night. A lunar halo was seen between 6h. P.M. and 7h. P.M.	The reading of the barometer increased from 29.24 in. at the beginning of the week to 29.78 in. by 9h. P.M. on the 4th; decreased to 29.59 in. by 3h. P.M. on the 5th; increased to 29.60 in. by 9h. A.M. on the 6th; decreased to 28.91 in. by noon on the 5th; and was 29.18 in. by the end of the week.
THURSDAY . 6	..	Generally cloudy. Rain fell during the early morning hours, and showers also fell in the evening.	
FRIDAY . 7	..	Generally overcast. A very violent gale prevailed. Showers of rain fell occasionally. Lightning was seen at night; and at Liverpool an aurora was seen.	
SATURDAY . 8	..	The insulating lamps were not burning.	

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 2. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, JANUARY 15. [Price 1d.

*General Register Office, Somerset House,
17th January 1870.*

IN the week that ended on Saturday, 15th January, 5009 BIRTHS and 3821 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 28 per 1000 persons living, against 30 in the previous week.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow :—16 per 1000 in Bradford, 23 in Hull, 24 in Wolverhampton, 24 in Portsmouth, 26 in Leeds, 27 in London and Leicester, 28 in Liverpool, Manchester, Newcastle-upon-Tyne, and Sunderland, 29 in Birmingham, Sheffield, Salford, and Nottingham, 31 in Bristol, and, highest during the week, 32 per 1000 in the city of Norwich. The 3244 deaths registered in these 17 English towns last week showed a decline of 196 upon those in the previous week ; 705 or 21·7 per cent. were of infants under one year of age, and 721 or 22·2 per cent. of persons aged 60 years and upwards. In the previous week the proportions of deaths at these ages were 21·3 and 24·2 per cent. respectively; the decline of deaths last week thus appearing to have occurred principally among those of elderly persons. Scarlet fever showed an increased fatality last week in Sheffield, resulting in 33 deaths out of a total of 137, against 25 in the previous week. Whooping-cough was again somewhat fatally prevalent last week in both Manchester and Birmingham.

From returns furnished by the Registrar Generals of Scotland and Ireland it appears that the deaths registered last week in Edinburgh were at the annual rate of 32 per 1000 persons living, in Glasgow 35 per 1000, and in Dublin 28. In Dublin 13 of the deaths were fatal cases of scarlet fever.

In the week ending last Saturday the deaths registered in Paris showed an annual rate of mortality equal to 28 per 1000 persons living. The deaths in Berlin in the seven days ending Thursday, 13th inst., gave an annual rate of 44 per 1000, and in Vienna during the week ending 8th inst. of 27 per 1000.

In LONDON the BIRTHS of 1173 boys and 1178 girls, in all 2351 children, were registered last week. In the corresponding weeks of ten years 1860-69 the average number, corrected for increase of population, is 2241.

The DEATHS registered in LONDON during the week were 1664. It was the second week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1837. The deaths in the present return are less by 173 than the estimated amount.

The deaths from zymotic diseases were 357, the corrected average number being 358. Twelve deaths from small-pox, 40 from measles, 114 from scarlet fever, 8 from diphtheria, 58 from whooping-cough, 13 from typhus fever, 14 from enteric (or typhoid) fever, 23 from simple continued fever, and 13 from diarrhoea were registered.

The deaths from scarlet fever were less by 20 than the number recorded in the preceding week. Eight cases occurred in the West Districts, 31 in the North, 5 in the Central, 24 in the East, and 45 in the South Districts.

The daughter of a chimney sweep, aged 3 years, died on 14th January at 11 Bowman's-place North, Islington, from "sewer poisoning (6 days), stomatitis." The registrar remarks: "This house was inspected in the summer, and something was promised to be done."

The 6 following deaths from relapsing fever were registered :—

ISLINGTON; *West*.—At the London Fever Hospital, on 1st January, a charwoman, aged 66 years, “relapsing fever; bronchitis.”

At the same Hospital, on 4th January, a porter, aged 59 years, “relapsing fever; cardiac disease.” *Post mort.*

At the same Hospital, on 5th January, a labourer, aged 64 years, “relapsing fever.”

At the same Hospital, on 7th January, an ostler, aged 45 years, “relapsing fever.”

HOLBORN; *Finsbury*.—At 12 Castle-street, on 12th January, the son of a tailor, aged 3 years, “relapsing fever (7 days); convulsions (3 days).”

MILE END OLD TOWN; *Eastern*.—At 22 Dunstan-road, on 9th January, the son of a labourer, aged 5 years, “relapsing fever; convulsions.”

One hundred and seventy-nine persons died from phthisis, 233 from bronchitis, and 116 from pneumonia. The corrected average number of deaths from phthisis is 194, from bronchitis 309, and from pneumonia 117. In the preceding week which ended 8th January, the deaths from these diseases were 138, 295, and 102 respectively.

One hundred and ninety deaths occurred from diseases of the brain and nervous system, and 79 persons died from diseases of the organs of circulation.

The deaths of 3 children and one adult from burns or scalds, of 4 persons from drowning, of 9 infants from suffocation, and of 6 persons who committed suicide were recorded.

A currier, aged 69 years, died on 12th January in the Workhouse, St. Martin's-in-the-Fields, of “inanition from destitution.”

The deaths of 276 persons in Public Institutions of the Metropolis were registered, of these 165 died in Workhouses, 4 in Military and Naval Asylums, 67 in General Hospitals, 24 in Hospitals for Special Diseases, 3 in Lying-in Hospitals, 3 in Military and Naval Hospitals, 2 in Hospitals and Asylums for Foreigners, and 8 in Lunatic Asylums.

The following deaths of 7 persons who were killed by horses or carriages in the streets were recorded :—

A horsekeeper, aged 68 years, “knocked down by a horse.” Died on 8th January, at Willow-road, Hampstead. (*Inquest.*)

A cabinet maker, aged 77 years, “run over by a horse and cart.” Died on 13th January, at 3 Middleton-road, Hackney. (*Inquest.*)

A carman, aged 36 years, “fracture of skull and laceration of brain; fell from a van.” Died on 4th January in St. Bartholomew's Hospital. *Post mort.* (*Inquest.*)

The wife of a turner, aged 77 years, “knocked down by a horse.” Died at 5 Satchwell-rents, Bethnal Green. (*Inquest.*)

The daughter of a labourer, aged 14 years, “internal injuries from the upsetting of a dust cart.” Died on 31st December at 1 Priory-street, Bromley. (*Inquest.*)

The wife of a costermonger, aged 49 years, “fractured ribs and lacerated liver; run over by a cab.” Died on 31st December in St. Thomas's Hospital. (*Inquest.*)

A general dealer, aged 47 years, “fracture of ribs and laceration of lung; run over by a dray.” Died on 7th January in Guy's Hospital. *Post mort.* (*Inquest.*)

The deaths of 8 nonagenarians were registered during the week.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·574 in. The barometrical reading increased from 29·18 in. at the beginning of the week to 29·89 in. on Tuesday, 11th January. The mean temperature of the air in the week was 39·3°, which 3·2° above the average of the same week in 50 years (as determined by Mr. Glaisher). On Sunday, 9th January, the mean temperature was 6·7°, on Friday, 14th January, 8·8°, and on Saturday, 15th January, 8·4° above the average. The highest day temperature was 50·9° on Friday, 14th January. The lowest night temperature was 28·2° on Tuesday, 11th January. The entire range of temperature in the week was, therefore, 22·7°. The mean of the highest temperatures of the water of the Thames was 42·0°; that of the lowest was 40·1°. The difference between the mean dew-point temperature and air temperature was 3·7°. The mean degree of humidity of the air was 87, complete saturation being represented by 100. Rain fell to the amount of 0·48 in. The general direction of the wind was W.S.W. and S.W. A fine solar halo was seen at noon on Thursday, 13th January. Ozone was observed on six days of the week, the greatest amount was on Friday, 14th January.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 298,945 cubic metres, and at Barking 143,655 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the SECOND Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1933	1865	1881	1954	2019	2002	1928	2382	2132	2270	2037·1	2351
Males . .	985	959	918	1024	1026	1035	967	1929	1053	1179	1037·5	1173
Females . .	953	906	963	930	993	967	961	1153	1079	1091	999·6	1178
TOTAL Deaths	1344	1707	1561	1535	2427	1669	1506	1891	1574	1490	1670·4	1664*
Males . .	672	846	780	785	1124	856	756	911	816	741	823·7	815
Females . .	672	861	781	750	1303	813	750	980	758	749	841·7	849

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Alhallowes, City, was not received when the tables were under preparation, but an average of 2, derived from the returns of six previous weeks, is inserted.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Oct. 23.	Oct. 30.	Nov. 6.	Nov. 13.	Nov. 20.	Nov. 27.	Dec. 4.	Dec. 11.	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.
TOTAL Deaths - - -	1476	1536	1772	1689	1859	1676	1705	1759	1566	1357	1996	1697	1664
Deaths under 5 years of age -	736	719	848	773	855	790	811	828	706	596	840	694	666
Deaths 5—20 - - -	167	151	149	184	169	141	178	138	127	130	157	105	115
Deaths 20—40 - - -	182	192	226	197	233	190	178	187	175	159	244	192	233
Deaths 40—60 - - -	178	240	223	215	246	249	243	260	237	212	297	256	271
Deaths 60—80 - - -	177	177	282	239	293	258	246	279	260	221	366	367	291
Deaths at 80 years & upwards	33	57	44	51	63	48	49	67	61	39	92	83	88
Deaths from Small-pox -	3	2	9	9	6	5	10	11	8	5	7	8	12
„ „ Measles - - -	27	29	46	31	50	50	40	35	26	31	59	30	40
„ „ Scarlet Fever -	233	229	241	218	203	219	245	209	186	123	159	134	114
„ „ Diphtheria - - -	11	11	8	10	7	7	4	8	8	7	9	5	8
„ „ Whooping-cough -	67	45	74	69	69	70	63	71	62	65	57	67	58
„ „ Typhus fever - -	9	8	11	10	13	11	13	7	12	8	12	4	13
„ „ Enteric (or Ty- phoid) fever - - -	23	30	18	14	27	23	18	14	16	14	18	13	14
„ „ Simple Contag fever	6	6	12	15	14	11	18	19	16	16	21	18	23
„ „ Diarrhœa - - -	45	34	29	21	29	20	19	13	14	14	22	19	13
„ „ Phthisis - - -	150	175	191	173	159	187	153	148	157	119	207	138	179
„ „ Bronchitis - - -	101	150	219	227	265	250	272	259	208	185	305	295	233
„ „ Pneumonia - - -	70	102	114	133	138	119	106	122	103	87	120	102	116
„ „ Heart Disease -	57	60	66	70	79	69	62	76	69	55	91	82	71
Mean Temperature of the Air	42·7	40·0	46·6	41·1	45·8	41·0	34·2	39·2	44·7	38·2	34·2	45·2	39·3
Mean Temperature of the Water of the Thames - }	50·0	45·7	45·0	44·0	44·3	43·1	39·7	36·3	40·0	41·6	33·4	39·5	41·0
Humidity of the Air - -	84	79	81	79	88	89	83	93	84	85	83	87	87
Rain-fall in inches - -	0·90	0·21	0·27	0·08	0·10	1·16	0·80	0·43	1·23	0·86	0·31	0·79	0·48

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thurstans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doucester, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Phillis, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 15th day of January 1870, in the following large Towns.

CITIES AND BOROUGHES.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 15th Jan.	DEATHS registered during the Week ending 15th Jan.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTIGRADE.)	RAIN FALL.	
					Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi metre.
TOTAL of 20 Towns in the UNITED KINGDOM -	7,209,603	33·6	5009	3821	53·0	23·0	37·6	3·12	0·86	2·16
LONDON - - - -	3,214,707	41·2	2351	1664	50·9	23·2	39·3	4·06	0·43	1·22
PORTSMOUTH - - -	122,084	12·8	83	56	51·2	27·2	40·3	4·61	0·39	0·99
NORWICH - - - -	81,087	10·9	54	49	49·5	27·0	37·0	2·78	0·62	1·57
BRISTOL - - - -	171,332	36·6	145	102	49·2	31·0	39·7	4·28	1·41	3·59
WOLVERHAMPTON -	72,990	21·5	57	33	47·6	29·8	38·1	3·39	0·60	1·52
BIRMINGHAM - - -	369,604	47·2	237	202	43·4	31·2	39·2	4·00	1·14	2·39
LEICESTER - - - -	97,427	30·4	79	50	47·7	26·7	36·5	2·50	0·86	2·18
NOTTINGHAM - - -	88,888	44·5	51	50	47·2	23·4	36·1	2·23	0·71	1·81
LIVERPOOL - - - -	517,567	101·3	403	279	46·5	32·2	39·6	4·23	0·77	1·96
MANCHESTER - - -	374,993	83·6	243	203	47·5	23·0	37·0	2·78	1·26	3·20
SALFORD - - - -	121,580	23·5	105	67	48·1	23·8	36·2	2·33	1·37	3·43
BRADFORD - - - -	143,197	21·7	105	43	46·1	29·8	37·7	3·55	0·96	2·82
LEEDS - - - -	259,527	12·0	119	129	47·0	30·0	38·6	3·17	1·10	2·44
SHEFFIELD - - - -	247,378	10·8	163	137	47·0	31·0	38·4	3·67	1·11	2·79
HULL - - - -	130,869	36·7	101	58	46·0	23·0	35·2	1·78	0·55	1·40
SUNDERLAND - - -	94,257	19·6	48	50	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	133,367	25·0	73	72	44·0	29·0	35·2	1·78	0·20	0·51
EDINBURGH - - - -	178,970	40·4	105	109	43·7	27·0	35·6	2·01	0·60	1·52
GLASGOW - - - -	468,189	92·5	334	316	43·0	26·4	35·4	1·89	1·91	4·86
DUBLIN - - - -	321,540	33·0	143	152	53·0	28·0	39·3	4·06	0·30	0·76
PARIS - - - -	1,889,842	—	—	998	—	—	—	—	—	—
			Week ending 8 Jan. 1870.	Week ending 8 Jan. 1870.	Week ending 8th January 1870.					
VIENNA - - - -	605,200	—	—	313	—	—	33·6	0·88	—	—
			Week ending 13 Jan. 1870.	Week ending 13 Jan. 1870.	Week ending 13th January 1870.					
BERLIN - - - -	702,437	—	656	606	—	—	39·0	3·83	—	—

The areas in the above Boroughs have been revised by Colonel Sir Henry James, R.E., F.R.S.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS during the Week ending Saturday the 15th day of January 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON - - - -	27	1664	350	379	12	40	114	8	53	50	13	51	104	276	
PORTSMOUTH - - -	24	56	8	13	-	1	9	-	2	2	1	-	-	8	
NORWICH - - - -	32	49	14	15	-	-	-	-	3	3	-	1	3	3	
BRISTOL - - - -	31	102	17	23	-	7	3	-	3	1	-	-	3	9	
WOLVERHAMPTON -	24	33	10	4	-	-	1	1	-	2	1	-	-	3	
BIRMINGHAM - - -	29	202	41	44	-	4	5	3	15	2	2	14	22	24	
LEICESTER - - - -	27	50	12	16	-	2	1	-	-	-	1	-	-	9	
NOTTINGHAM - - -	29	50	11	15	-	-	1	1	3	3	2	1	1	4	
LIVERPOOL - - - -	28	279	63	79	-	3	23	1	2	9	4	21	22	40	
MANCHESTER - - -	23	203	38	41	-	2	8	-	18	13	4	2	3	28	
SALFORD - - - -	29	67	18	10	1	1	1	-	8	4	2	2	4	6	
BRADFORD - - - -	16	43	11	12	-	-	-	-	2	1	1	-	1	2	
LEEDS - - - -	26	129	34	18	-	-	9	1	8	6	-	2	4	7	
SHEFFIELD - - - -	29	137	31	16	-	3	33	-	1	5	3	-	1	12	
HULL - - - -	23	58	15	6	-	3	7	-	-	1	1	2	4	4	
SUNDERLAND - - -	28	50	14	12	-	-	1	1	-	5	1	-	3	2	
NEWCASTLE-ON-TYNE	28	72	18	13	-	-	2	-	3	1	2	6	7	14	
DUBLIN - - - -	25	152	17	44	-	2	10	-	2	4	4	6	7	57	

TABLE 5.—DEATHS in LONDON Registered in the SECOND Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Second Week in the 10 years 1860-69.	In the Week ending Saturday, January 15, 1870.							CAUSES OF DEATH.		Averages of the Second Week in the 10 years 1860-69.	In the Week ending Saturday, January 15, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.				Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
Mean Temperature	37.4	39.3	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	37.4	39.3	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES		1070.4	1664	666	115	231	271	291	88	9. Stricture of Intestines		.5	1	-	-	1	-		
SPECIFIED CAUSES		1655.9	1654	663	113	231	271	288	88	10. Fistula		.4	-	-	-	-	-		
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		9.0	10	2	3	12	3		
ORDER 1.										12. Pancreas Disease, &c.		.1	-	-	-	-	-		
Small pox		18.1	12	9	2	1	-	-		13. Hepatitis		3.0	5	-	-	2	3		
Measles		37.8	40	39	1	-	-	-		14. Jaundice		3.2	6	5	1	-	-		
Scarlet Fever (Scarlatina)		57.7	114	68	43	3	-	-		15. Liver Disease, &c.		17.4	14	-	1	3	6		
Diphtheria		11.3	8	3	2	1	-	2		16. Spleen Disease, &c.		.1	1	-	-	-	1		
Whooping-cough		16.8	14	14	-	-	-	-		ORDER 5.									
Whooping-cough		60.9	58	58	-	-	-	-		1. Nephritis		.9	5	2	-	1	1		
Whooping-cough		55.1	13	1	2	4	5	1		2. Ischuria		.4	1	-	-	-	1		
Whooping-cough		7.3	23	4	5	3	7	4		3. Bright's Disease (Nephria)		7.3	18	-	3	5	6		
Whooping-cough		3.9	1	-	-	-	-	-		4. Diabetes		2.3	-	-	-	-	-		
Whooping-cough		.6	-	-	-	-	-	-		5. Calculus (Stone)		.5	-	-	-	-	-		
Whooping-cough		1.4	-	-	-	-	-	-		6. Cystitis		.7	-	-	-	-	-		
Whooping-cough		1.9	-	-	-	-	-	-		7. Kidney Disease, &c.		8.8	12	1	-	4	3		
Whooping-cough		14.3	13	10	-	1	2	-		ORDER 6.									
Whooping-cough		.4	-	-	-	-	-	-		1. Ovarian Dropsy		.6	1	-	-	-	1		
Whooping-cough		.9	-	-	-	-	-	-		2. Uterus Disease, &c.		3.9	5	-	-	3	2		
Whooping-cough		8.8	12	1	2	4	3	2		ORDER 7.									
Whooping-cough		-	1	1	-	-	-	-		1. Synovitis (Arthritis)		.4	-	-	-	-	-		
Whooping-cough		7.2	9	8	-	-	1	-		2. Joint Disease, &c.		3.9	3	1	-	1	-		
Whooping-cough		1.6	2	-	-	1	-	1		ORDER 8.									
Whooping-cough		-	-	-	-	-	-	-		1. Phlegmon		2.4	5	4	-	1	-		
Whooping-cough		-	-	-	-	-	-	-		2. Ulcer		1.9	2	-	-	1	-		
Whooping-cough		-	-	-	-	-	-	-		3. Skin Disease, &c.		1.3	1	1	-	-	1		
Whooping-cough		-	-	-	-	-	-	-		IV. DEVELOPMENTAL DISEASES.									
Whooping-cough		-	-	-	-	-	-	-		ORDER 1.									
Whooping-cough		-	-	-	-	-	-	-		1. Premature Birth		24.4	23	23	-	-	-		
Whooping-cough		-	-	-	-	-	-	-		2. Cyanosis		2.3	2	1	1	-	-		
Whooping-cough		-	-	-	-	-	-	-		3. Spina Bifida		.7	1	1	-	-	-		
Whooping-cough		-	-	-	-	-	-	-		4. Other Malformations		1.5	-	-	-	-	-		
Whooping-cough		-	-	-	-	-	-	-		5. Teething		18.5	16	16	-	-	-		
Whooping-cough		-	-	-	-	-	-	-		ORDER 2.									
Whooping-cough		-	-	-	-	-	-	-		1. Paramenia		.1	-	-	-	-	-		
Whooping-cough		-	-	-	-	-	-	-		2. Childbirth (see Puer- peral Fever)		6.1	5	-	-	5	-		
Whooping-cough		-	-	-	-	-	-	-		ORDER 3.									
Whooping-cough		-	-	-	-	-	-	-		1. Old Age		74.5	84	-	-	-	29	55	
Whooping-cough		-	-	-	-	-	-	-		ORDER 4.									
Whooping-cough		-	-	-	-	-	-	-		1. Atrophy and Debility		60.6	63	53	1	-	1	8	
Whooping-cough		-	-	-	-	-	-	-		V. VIOLENT DEATHS, &c.									
Whooping-cough		-	-	-	-	-	-	-		ORDER 1.									
Whooping-cough		-	-	-	-	-	-	-		(ACCIDENT OR NEGLIGENCE.)									
Whooping-cough		-	-	-	-	-	-	-		1. Fractures and Contusions		19.1	26	1	2	10	4	8	
Whooping-cough		-	-	-	-	-	-	-		2. Wounds		.7	-	-	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		3. Burns and Scalds		10.3	4	3	-	1	-	-	
Whooping-cough		-	-	-	-	-	-	-		4. Poison		.9	-	-	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		5. Drowning		2.2	4	-	2	1	1	-	
Whooping-cough		-	-	-	-	-	-	-		6. Suffocation		9.7	9	9	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		7. Otherwise		4.0	1	1	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		ORDER 3.									
Whooping-cough		-	-	-	-	-	-	-		(HOMICIDE.)									
Whooping-cough		-	-	-	-	-	-	-		1 Murder and Manslaughter		1.3	1	1	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		ORDER 4.									
Whooping-cough		-	-	-	-	-	-	-		(SUICIDE.)									
Whooping-cough		-	-	-	-	-	-	-		1. Wounds { Gunshot		.2	1	-	-	-	1	-	
Whooping-cough		-	-	-	-	-	-	-		2. Poison { Cut, Stab		1.2	3	-	-	1	1	-	
Whooping-cough		-	-	-	-	-	-	-		3. Drowning		.5	1	-	-	1	-	-	
Whooping-cough		-	-	-	-	-	-	-		4. Hanging		.9	-	-	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		5. Otherwise		.3	-	-	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		ORDER 5.									
Whooping-cough		-	-	-	-	-	-	-		(EXECUTION.)									
Whooping-cough		-	-	-	-	-	-	-		1. Hanging		.1	-	-	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		Violent Deaths (not classed)		.3	-	-	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		Sudden Deaths (Cause un- ascertained)		4.9	-	-	-	-	-	-	
Whooping-cough		-	-	-	-	-	-	-		Causes not specified or ill- defined		9.6	10	3	2	-	-	3	

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

† An average of 2 is added without distinction of ages. See note *, page 11.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																	
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON		2,803,969	2851	1664	350	379	12	40	114	8	58	13	14	23	13	51	104	276	
WEST DISTRICTS.																			
St. Mary Paddington WH	-	39015	33	27	6	8	-	-	2	-	-	1	-	-	-	-	1	5	
St. John Paddington H	-	36769	19	18	2	4	-	-	-	-	1	-	-	-	-	-	2	6	
Kensington Town W	-	51910	65	30	6	5	-	1	3	-	-	-	1	1	1	-	2	1	
Brompton H	-	18198	18	12	2	4	-	-	-	-	-	-	-	-	-	-	-	3	
St. Peter Hammersmith	-	5415	5	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith	-	19104	30	16	8	1	-	-	-	-	-	-	-	-	2	-	-	-	
Fulham W	-	15539	14	13	4	4	-	-	-	-	1	-	-	-	1	1	1	8	
Chelsea South H	-	21654	18	18	4	6	-	-	1	-	1	-	-	-	1	-	-	3	
Chelsea North-west HW	-	10899	21	10	4	2	-	-	-	-	-	-	-	-	-	-	-	-	
Chelsea North-east	-	21886	6	11	2	3	-	-	1	-	2	-	1	-	-	-	1	-	
Hanover Square	-	19773	7	5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W	-	12885	5	5	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H	-	55113	24	27	6	8	-	-	1	-	3	-	-	-	1	-	1	2	
St. John Westminster	-	37493	28	25	2	5	-	-	-	-	4	-	-	-	-	-	-	-	
St. Margaret Westminster WH	-	30730	22	16	3	3	-	-	-	-	1	-	-	-	-	-	2	8	
St. James's Square	-	10753	4	3	1	-	-	-	-	-	-	-	1	-	-	-	-	-	
Golden Square W	-	13046	11	8	1	1	-	1	-	-	-	-	-	-	-	-	-	4	
Berwick-street	-	10607	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Anne Soho	-	17426	5	9	1	3	-	-	-	-	-	-	-	-	-	-	1	-	
NORTH DISTRICTS.																			
All Souls Marylebone H	-	29952	16	18	3	4	-	1	1	-	-	-	-	-	-	1	3	8	
Cavendish Square	-	15090	7	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W	-	26692	26	22	6	9	-	-	-	-	1	-	-	-	-	-	1	11	
St. Mary Marylebone	-	22493	51	12	3	2	-	-	1	-	-	1	-	-	1	-	-	-	
Christchurch Marylebone	-	34913	23	17	-	7	-	-	3	-	-	-	-	-	-	-	2	-	
St. John Marylebone	-	32540	22	14	1	4	-	-	-	1	1	-	1	-	-	-	-	-	
Hampstead W	-	19106	13	13	2	3	-	1	-	-	1	-	-	-	-	2	2	-	
Regent's Park Pancras	-	34427	23	14	3	6	-	-	-	-	-	-	-	-	-	-	-	-	
Tottenham-court WH	-	29371	17	17	1	5	-	-	-	-	1	-	-	-	-	4	5	8	
Gray's Inn Lane H	-	27808	32	10	2	2	1	-	1	-	-	-	-	-	-	-	-	-	
Somers Town	-	39099	22	15	2	6	-	-	4	1	-	1	-	-	-	-	2	-	
Camden Town W	-	23265	13	13	2	4	-	-	-	-	1	-	-	-	1	-	2	8	
Kentish Town	-	44317	56	31	10	7	-	3	2	-	3	-	-	-	1	-	-	-	
Islington West* WHH	-	75442	63	65	8	14	-	-	7	-	-	5	-	-	4	1	-	26	
Islington East W	-	72809	75	59	14	11	3	1	6	-	3	-	1	1	-	1	4	3	
Stoke Newington	-	6603	4	7	3	2	-	-	1	-	-	-	-	-	-	-	-	-	
Stamford Hill	-	5483	5	3	1	-	-	-	-	-	-	-	-	1	-	1	-	-	
West Hackney	-	24265	16	15	7	3	-	-	-	-	-	-	-	-	-	2	2	-	
Hackney WH	-	31481	36	30	4	7	1	-	4	-	-	-	-	-	-	2	4	5	
South Hackney L	-	15458	25	16	2	5	-	-	2	-	-	-	-	-	-	-	1	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury	-	17392	5	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
St. Giles South W	-	19483	9	16	2	6	-	-	-	-	-	-	-	-	-	1	3	0	
St. Giles North	-	17201	22	8	3	1	-	-	1	-	-	-	-	-	1	1	1	-	
Long Acre	-	11618	6	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH	-	11071	3	12	1	2	-	-	-	-	-	-	-	-	-	-	-	12	
St. Mary-le Strand	-	10346	6	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H	-	16207	4	9	1	2	-	-	-	-	1	-	1	-	-	-	-	4	
St. George-the-Martyr H	-	19903	10	9	2	3	-	1	-	-	-	-	-	-	-	1	1	-	
St. Andrew East-hoborn W	-	12947	9	8	2	1	-	-	-	-	-	-	-	-	-	-	-	1	
Saffron Hill	-	12012	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W	-	19152	11	13	5	2	-	-	-	-	-	-	-	-	-	-	-	6	
Amwell Clerkenwell	-	17250	13	6	3	-	-	-	1	-	-	-	-	-	-	-	-	-	
Pentonville	-	13079	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street	-	16200	14	7	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
Old-street	-	11554	5	8	1	2	-	-	1	-	-	-	-	-	-	-	-	-	
City-road H	-	17690	26	12	4	-	-	-	-	-	1	-	2	-	-	1	1	3	
Whitecross-street	-	14778	11	4	2	-	-	-	1	-	-	-	-	-	-	1	1	-	
Finsbury	-	12931	1	5	-	1	-	-	-	-	-	-	-	1	-	-	-	-	
St. Botolph East London	-	20090	14	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate	-	19697	15	3	-	1	-	-	1	-	-	-	-	-	-	1	-	-	
St. Sepulchre WH	-	11750	4	10	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Bride	-	15395	6	6	3	1	-	-	-	-	-	-	-	-	-	2	3	6	
Castle Baynard	-	7762	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chris church	-	9020	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queerhihe	-	8570	1	5	2	1	-	-	-	1	1	-	-	-	-	-	-	-	
Allhallows Barking	-	8659	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street	-	11544	6	3	-	1	-	-	-	-	-	-	-	1	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,
W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.
* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 15th January 1870.

				The DEATHS registered in the Week include													
REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																	
Holywell Shoreditch	17313	10	7	3	3	-	-	-	-	-	-	-	-	-	-	1	-
St. Leonard Shoreditch Lt	19188	11	14	4	6	-	-	1	-	-	-	-	-	-	1	3	2
Hoxton New Town w	26516	24	9	6	6	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton Old Town -	25777	27	9	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Haggerstone West W	23260	21	17	3	4	1	-	-	-	-	-	-	-	-	-	-	9
Haggerstone East -	17310	11	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Hackney-road	26298	25	18	6	4	-	1	-	1	-	-	-	-	-	-	-	-
Green, Bethnal Green WH Lt	31789	31	19	4	1	-	-	2	-	-	-	1	-	-	-	-	6
Church, Bethnal Green	25528	29	21	7	1	-	-	1	-	-	1	-	-	-	6	11	-
Town, Bethnal Green -	21496	17	7	1	3	-	1	-	1	1	-	-	-	-	-	-	-
Artillery Whitechapel	6557	4	6	3	2	-	1	-	-	-	-	-	-	-	-	-	-
Spitalfields	15700	11	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Mile End New Town W	15392	21	1	1	6	-	3	-	-	-	-	1	-	-	-	4	16
Whitechapel North	12122	12	7	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Whitechapel Church II	8662	5	10	-	2	-	-	1	-	-	-	-	-	-	2	1	8
Godman's Fields	11166	4	4	-	-	-	-	1	-	-	-	-	-	-	1	1	-
Aldgate -	9071	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary St. George East	18181	20	5	4	-	-	-	-	-	1	-	-	1	-	2	2	-
St. Paul St. George East	21015	17	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John St. George East W	9695	9	13	1	4	-	-	1	-	1	-	-	-	-	-	-	9
Shadwell W	12537	9	11	2	1	-	-	-	-	-	-	-	-	-	3	5	1
Ratcliff W	16874	10	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Limehouse W	27161	23	16	5	2	-	-	2	-	1	-	-	-	-	-	-	1
Mile End O'ld Town West	33747	34	22	5	1	-	1	4	-	2	-	1	-	1	-	-	-
Mile End Old Town East Ww	39317	43	39	6	7	3	-	3	-	2	1	1	1	-	-	3	5
Bow Ww Lt	35687	62	33	11	7	-	3	4	-	-	-	-	1	-	-	2	7
Poplar W	43529	42	28	8	3	-	3	4	1	3	-	-	-	-	-	1	3
SOUTH DISTRICTS.																	
Christchurch Southwark W	17069	14	6	2	-	-	1	1	-	-	-	-	-	-	-	-	-
St. Saviour Southwark H	19101	11	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Ken-t-road	19652	22	15	3	5	-	1	-	-	2	-	-	-	-	-	-	-
Borough-road W	16693	15	14	1	8	-	-	-	-	1	-	1	-	-	-	-	8
London-road L	19199	19	8	3	-	-	-	-	-	-	-	-	-	1	-	-	-
Trinity Newington	22675	11	10	4	4	1	1	1	-	-	-	1	-	-	-	-	-
St. Peter Walworth W	44463	41	31	5	4	1	1	7	-	2	1	-	-	-	-	-	1
St. Mary Newington H	15082	12	12	3	2	-	-	-	-	-	-	-	-	-	2	2	4
St. Olave Southwark H	7693	3	13	-	3	-	-	-	-	-	-	-	-	-	3	4	9
St. John Horsleydown W	11393	8	5	1	1	-	-	-	-	-	-	-	-	-	-	-	1
Leather Market	16996	14	11	4	-	-	-	2	-	1	-	1	-	-	-	-	-
St. Mary Magdalen W	16505	14	6	-	1	-	-	-	-	-	-	-	-	-	-	-	1
St. James Bermondsey	25154	41	13	2	4	1	-	3	-	-	-	-	-	-	-	1	-
Rotherhithe W	24502	22	11	1	4	1	-	1	-	-	-	-	-	-	-	1	2
Waterloo-road 1st	13269	16	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo-road 2nd	18640	17	11	6	1	-	-	-	1	1	-	1	1	-	-	-	-
Lambeth Church 1st	19839	21	9	1	4	-	-	1	-	-	-	-	-	-	-	-	-
Lambeth Church 2nd W	29542	41	17	5	3	-	-	1	-	1	-	-	-	-	-	-	2
Kennington 1st	30785	30	19	4	3	-	-	3	-	1	-	1	-	-	2	2	-
Kennington 2nd	20440	15	16	1	5	-	-	4	-	1	-	-	-	-	-	-	-
Brixton -	20067	14	20	3	8	-	-	2	-	1	-	-	-	-	-	-	-
Norwood W	7462	12	7	3	-	-	2	1	-	-	-	-	-	-	-	-	-
Clapham	20894	16	11	1	3	1	-	1	-	2	-	-	-	-	-	-	-
Battersea Ww	19300	47	27	8	9	-	2	-	-	-	-	-	-	-	-	-	5
Wandsworth L	13346	14	3	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Putney	6481	9	5	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Streatham	10082	6	4	1	3	-	-	-	-	1	-	-	-	-	-	-	-
Dulwich -	1723	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell WH Lt	21297	18	14	5	5	-	2	-	-	-	-	1	-	-	-	-	-
Peckham	28135	30	22	2	3	-	-	6	-	-	-	1	-	-	-	-	-
St. George Camberwell	20333	12	21	3	1	-	-	1	-	4	-	1	1	-	-	-	-
St. Paul Deptford	37894	43	21	2	4	-	-	2	-	-	-	1	-	-	-	-	-
St. Nicholas Deptford	8139	5	4	1	-	-	-	-	-	-	-	-	-	-	1	2	-
Greenwich West H	21696	21	12	2	3	-	3	1	-	-	1	-	-	-	-	-	2
Greenwich East WH	18306	19	15	1	8	-	-	-	-	-	-	-	-	-	-	2	6
Eltham -	3009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee	11003	5	10	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Lewisham Village W	7372	10	9	2	4	-	-	1	1	-	-	-	-	-	-	-	2
Sydenham	10695	15	6	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Charlton	9276	5	2	1	-	-	-	1	-	-	-	-	-	-	-	-	1
Woolwich Dockyard H	22919	6	8	1	2	-	-	1	-	-	-	-	-	-	-	-	-
Woolwich Arsenal H	18776	18	10	1	2	-	-	1	-	-	-	-	-	-	-	-	-
Plumstead West	24502	5	4	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Plumstead East		15	5	1	1	-	1	-	-	1	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and
London City " " Islington East.	Stepney " " Bow sub-district.
Do. do. " " Hackney sub-district.	

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 15th JANUARY, 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.				DIFFERENCE				WIND.				RAIN.	
Phases of Moon.	Mean daily reading corrected and reduced to 32 deg. (F. held).	High-est.	Low-est.	Dry.		Dew Point.	Highest in the sun, as a self-registering thermometer blackened bulb in vacuum, placed in the Grass.	Lowest in the Grass, as a self-registering thermometer blackened bulb in vacuum, placed in the Grass.	In the Water of Greenwitch, by the side of the Thermometers.		Between Dew Point and Temperature.		Between mean temperature of the day and the same day on an average of 50 years.*		Degree of humidity, Saturation by 100.		
				Range in day.	Mean daily value.				Mean daily value.	Least est.	Great-est.	Mean of 24 Obs.	Least.	Great-est.	Pressure on square foot.	Amount of Movement of Air above the ground, each day.	Robinson's Gauge whose receiving horn is 5 in. above the ground.
JANUARY.																	
In Equator Apogee First Quarter	9	in. 29-270	47-0	38-0	9-0	42-5	40-5	78-9	32-0	43-4	42-4	2-0	4-4	0-0	0-6	93	
MONDAY . 10 ..	29-693	41-1	31-2	9-9	34-3	30-7	42-0	25-8	42-9	41-9	3-6	6-5	0-4	0-0	87	lbs. 3-9	0-0
TUESDAY . 11 ..	29-804	39-5	28-2	11-3	34-4	32-2	60-0	22-1	42-4	41-4	2-2	6-0	0-0	0-0	91	lbs. 3-9	0-0
WEDNESDAY 12 ..	29-592	40-9	33-4	7-5	37-1	31-5	64-0	27-0	41-4	39-9	5-6	7-8	1-2	0-0	88	lbs. 3-9	0-0
THURSDAY . 13 ..	29-692	41-0	33-2	7-8	37-0	33-8	54-0	26-2	41-4	38-4	3-2	6-9	0-0	0-0	88	lbs. 3-9	0-0
FRIDAY . 14 ..	29-332	50-9	38-4	12-5	45-1	40-2	75-0	37-3	41-4	38-4	4-9	8-4	1-4	0-0	83	lbs. 3-9	0-0
SATURDAY . 15 ..	29-637	47-5	41-7	5-8	44-8	40-2	67-5	36-1	40-9	38-4	4-6	7-6	0-2	0-0	84	lbs. 3-9	0-0
MEANS . . .	29-574	44-0	34-9	9-1	39-3	35-6	63-1	29-5	42-0	40-1	3-7	6-8	0-5	0-0	87	lbs. 3-9	0-0
No. of Columns.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

NOTES.

The height of the eastern of the barometres considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with the mean of the Royal Society's 19th g.m. The observations are taken at 9h. a.m.; 9h. 30m.; 9h. p.m. The means of the readings of the barometer, the dry bulb thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31. See *Phil. Trans.*, part 1, 1848. The mean daily values of the point and degree of humidity are deduced from these mean daily values of the dry bulb thermometer by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1833, December 31. * In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29.18 in. at the beginning of the week to 29.89 in. by 9h. A.M. on the 11th; decreased to 29.56 in. by 9h. A.M. on the 12th; increased to 29.73 in. by 3h. P.M. on the 13th; increased to 29.82 in. by 3h. P.M. on the 14th; and increased to 29.70 in. by the end of the week.

SKY AND ATMOSPHERE.

Generally cloudy. Great gloom prevailed between 3h. P.M. and 4h. P.M.; and showers of rain fell at times.

A fine day; light clouds prevailed till the afternoon; cloudless afterwards. Hoar frost.

Cloudless during the morning: partially cloudy throughout the remainder of the day. Hoar frost in the morning. Showers of rain in the afternoon.

Partially cloudy till evening, then cloudless. Rain fell in the early morning hours.

Fine and light clouds prevailed till evening, then overcast and rain fell. At noon a fine solar halo was seen.

During the early morning hours rain fell; generally fine, and partially cloudy throughout the remainder of the day. A little rain also fell in the evening.

Fine, and partially cloudy during the morning; overcast afterwards, and rain fell occasionally. Fog at night.

ELECTRICITY.

The insulating lamp was not burning.

No electricity was shown.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 3. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, JANUARY 22. [Price 1½d.

*General Register Office, Somerset House,
24th January 1870.*

In the week that ended on Saturday, 22d January, 5166 BIRTHS and 3831 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 28 per 1000 persons living, and the same as in the previous week.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow :—19 per 1000 in Wolverhampton, 19 in Bradford, 21 in Hull, 21 in Portsmouth, 22 in Norwich, 23 in Leicester, 23 in Newcastle-upon-Tyne, 24 in Sunderland, 25 in Birmingham, 26 in Leeds, 26 in Liverpool, 27 in London, 30 in Salford, 31 in Manchester, 31 in Nottingham, 31 in Sheffield, and, the highest rate during the week, 37 per 1000 in the city of Bristol. Scarlet fever showed an increased fatality last week in London, Sheffield, and Leeds, but had declined in several of the other large towns. The greatest mortality from this disease last week occurred in Ecclesall Bierlow sub-district of Sheffield Borough, which, from an estimated population of about 56,000 persons, returned 36 deaths, of which 18 were fatal cases of scarlet fever. In these 17 large English towns, 247 deaths were referred to scarlet fever last week against 241 and 218 in the two previous weeks. Whooping-cough continues somewhat fatally prevalent in Manchester and Salford, and in Birmingham.

The deaths registered last week in Edinburgh were at the annual rate of 36 per 1000 persons living, in Glasgow 38 per 1000, and in Dublin 29. Scarlet fever shows an increasing fatality in Dublin, and resulted in 15 deaths last week.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 27 per 1000 persons living. The deaths in Berlin in the seven days ending Thursday, 20th inst., gave an annual rate of 28 per 1000, and in Vienna during the week ending 15th inst. of 28 per 1000. Small-pox is very prevalent in Paris, and caused 48 deaths last week, against 40 and 27 in the two previous weeks. In London the deaths from small-pox in the three past weeks have, together, not exceeded 28.

In LONDON the BIRTHS of 1130 boys and 1109 girls, in all 2239 children, were registered last week. In the corresponding weeks of ten years 1860-69 the average number, corrected for increase of population, was 2283.

The DEATHS registered in LONDON during the week were 1652. It was the third week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1794. The deaths in the present return are less by 142 than the estimated number.

The deaths from zymotic diseases were 374, the corrected average number being 358. Eight deaths from small-pox, 41 from measles, 143 from scarlet fever, 8 from diphtheria, 55 from whooping-cough, 12 from typhus fever, 12 from enteric (or typhoid) fever, 15 from simple continued fever, and 15 from diarrhoea were registered.

The registrar of the Trinity sub-district of St. Saviour Southwark remarks, in reference to a fatal case of small-pox, which occurred at 10 Harper-street: "There have been 4 cases of small-pox in this family, none vaccinated, the parents "objecting. The street is fully populated."

A builder, aged 31 years, died on 14th January at 125 Bridport-place, Hoxton Old Town, from "relapsing fever."

The deaths from scarlet fever were 29 in excess of the number recorded in the preceding week. Eighteen cases occurred in the West Districts, 27 in the North, 15 in the Central, 31 in the East, and 52 in the South Districts.

Phthisis and pneumonia were not so fatal as in the previous week, but the deaths from bronchitis exhibit an increase.

The deaths of 7 children and one adult from burns or scalds, of 2 persons from drowning, of 8 infants from suffocation, and of 8 persons who committed suicide were registered.

The deaths of 12 nonagenarians were registered, the oldest was a person who attained the age of 95 years.

The following deaths of 6 persons whose deaths were either caused or accelerated by privation were recorded:—

HACKNEY; *Hackney*.—At the Workhouse, on 14th January, a labourer, aged 38 years, “inflammation of lungs; want of food, exposure, and privation.” *Post mort.* (*Inquest.*)

HACKNEY; *South*.—At 13 Goring-street, on 13th January, a shoe-maker, aged 67 years, “want and privation, producing effusion on brain.” (*Inquest.*)

HOLBORN; *St. Andrew Eastern*.—At 15 Baldwin’s-gardens, on 16th January, the wife of a smith, aged 28 years, “diarrhoea (7 days), exhaustion, want of proper food.”

In same sub-district.—At Holborn Union Workhouse, on 18th January, a widow, aged 75 years, “pleuritis, accelerated by want and exposure.” Found dead. *Post mort.* (*Inquest.*)

WHITECHAPEL; *Mile End New Town*.—At the Workhouse, on 14th January, a labourer, aged 64 years, “want of necessities of life.” *Post mort.* (*Inquest.*)

WHITECHAPEL; *Church*.—At Whitechapel-road, on 18th January, aged about 40 years, “dropsy with exposure and destitution.” *Post mort.* (*Inquest.*)

The following deaths of 2 persons who were killed by horses or vehicles in the streets were registered:—

An engineer, aged 28 years, “fell from a vehicle.” Died on 9th January in the West London Hospital, Hammersmith. *Post mort.* (*Inquest.*)

A cabman, aged 56 years, “fractured base of skull; fell from a cab.” Died on 1st January in Shoreditch Workhouse. *Post mort.* (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of January, contained (according to Professor Frankland’s analysis) in 100,000 tons foreign solid matters amounting to 29 tons in the Chelsea water, 30 in the West Middlesex, 31 in the Southwark and Vauxhall, 31 in the Grand Junction, 29 in the Lambeth, 31 in the New River, 35 in the East London, and 39 in the Kent. 100,000 tons of the Chelsea water contained 20 tons, the West Middlesex 22 tons, the Southwark and Vauxhall 22 tons, the Grand Junction 22 tons, the Lambeth 19 tons, the New River 25 tons, the East London 26 tons, and the Kent 30 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

Professor Frankland remarks:—

“The floods in the Thames and Lea have brought these rivers to their maximum degree of winter pollution, and the resources of the water companies are strained to the utmost to deliver to their customers a supply which shall not be obviously repulsive. In these efforts the West Middlesex and New River Companies alone have been completely successful. The Kent Company, which derives its supply from deep wells in the chalk, has not to contend with these annually recurring difficulties caused by winter floods. With but very rare exceptions the water delivered by this company is, at all seasons, perfectly clear and transparent.

“Of the companies drawing from the Thames the West Middlesex alone delivered clear, that is efficiently filtered water. The Chelsea and Lambeth Companies, who take their supply at a point below the junction of the muddy Mole with the Thames, supplied water of such a degree of turbidity as to render it entirely unfit for domestic use without previous filtration. The water delivered by the Southwark and Grand Junction Companies was slightly turbid. Living organisms were found in the suspended matter of the Chelsea, Southwark, and Grand Junction waters.

“Of the waters obtained from other sources, those delivered by the New River and Kent Companies were perfectly clear and transparent, whilst that supplied by the East London Company was very turbid, owing to the presence of much suspended brown matter full of living organisms. Amongst the latter vibrios were found. This is the first occasion, since I have examined the London waters microscopically, that these organisms, which are abundant in putrid sewage, have been met with in these waters. The organic carbon, organic nitrogen, and previous sewage or animal contamination in the East London Company’s water are much higher than usual, the latter exceeding considerably that of any other water supplied to London. In consequence of the unsatisfactory condition of this water, I collected a second sample on the 19th instant. This sample is perfectly clear and transparent, but in other respects, so far as the analysis has proceeded, the matters in solution are present in substantially the same proportions.

“During the temporary stoppage of the main drainage at Abbey Mills a careful supervision of all under-ground storage reservoirs in the district will doubtless be exercised, lest any overflow or soaking of sewage should gain access to them.

“The water supplied by the Kent Company contained the smallest proportion of unoxidized organic elements.”

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·252 in. The barometrical reading increased from 29·70 in. at the beginning of the week to 30·45 in. on Tuesday, 18th January. The mean temperature of the air in the week was 36·1°, which 0·8° below the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was 48·0° on Sunday, 16th January. The lowest night temperature was 29·6° on Saturday, 22d January. The entire range of temperature in the week was, therefore, 18·4°. The mean of the highest temperatures of the water of the Thames was 39·9°; that of the lowest was 38·4°. The difference between the mean dew-point temperature and air temperature was 4·9°. The mean degree of humidity of the air was 82, complete saturation being represented by 100. Rain fell to the amount of 0·05 in. Snow fell occasionally. The general direction of the wind was N.E. and E.S.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 276,427 cubic metres, and at Barking 153,690 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

SIR,

Royal College of Chemistry, 24th January, 1870.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of January. For the purpose of comparison I append also the results yielded by Thames water taken at London Bridge at low water on the 8th of December last.

The floods in the Thames and Lea have brought these rivers to their maximum degree of winter pollution, and the resources of the water companies are strained to the utmost to deliver to their customers a supply which shall not be obviously repulsive. In these efforts the West Middlesex and New River Companies alone have been completely successful. The Kent Company which derives its supply from deep wells in the chalk, has not to contend with these annually recurring difficulties caused by winter floods. With but very rare exceptions the water delivered by this company is, at all seasons, perfectly clear and transparent.

Of the companies drawing from the Thames the West Middlesex alone delivered clear, that is efficiently filtered water. The Chelsea and Lambeth Companies, who take their supply at a point below the junction of the muddy Mole with the Thames, supplied water of such a degree of turbidity as to render it entirely unfit for domestic use without previous filtration. The water delivered by the Southwark and Grand Junction Companies was slightly turbid. Living organisms were found in the suspended matter of the Chelsea, Southwark, and Grand Junction waters.

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The water supplied by the Kent Company contained the smallest proportion of unoxidized organic elements.

I have, &c.

The Registrar General, &c. &c. &c.

E. FRANKLAND.

Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea . . .	{ 10th January, Cab Rank, Horse Guards }	7·8	29·2	·407	·030	·001	·355	·395	3240	1·75	20·02
West Middlesex . .	{ 10th January, Cab Rank, Portland-road }	7·5	30·0	·317	·030	·001	·385	·416	3540	1·80	22·32
Southwark and Vauxhall . .	{ 10th January, Cab Rank, St. George's Church, Borough }	8·3	31·26	·384	·036	·001	·354	·391	3230	1·82	22·04
Grand Junction . .	{ 10th January, Cab Rank, Woodstock-st. }	6·9	31·20	·385	·036	·000	·372	·408	3400	1·70	22·04
Lambeth . . .	{ 10th January, Cab Rank, Lambeth-road }	7·5	28·94	·390	·049	·001	·364	·414	3330	1·78	19·47
OTHER SOURCES.											
New River . . .	{ 10th January, Cab Rank, Tottenham-court-road }	7·2	30·58	·215	·020	·000	·388	·408	3560	1·50	24·96
East London . . .	{ 10th January, Slater's Lamp Black Works, Old Ford-road }	8·9	34·52	·331	·039	·000	·479	·518	4470	1·90	25·84
Kent . . .	{ 10th January, Deptfd. Bdgo, Police Stat. }	8·1	38·86	·065	·013	·000	·423	·439	3940	2·30	29·95
Thames water, filtered . . .	{ 8th Dec. 1869, London Bridge mid-stream } at low water		34·3	·558	·085	·103	·351	·521	4040	2·6	25·25
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus : the Chelsea Company's water collected on the 10th of January at the Horse Guard's cab-rank had a temperature of 7·8°C. ; 100,000 lbs. of it contained 29·2 lbs. of solid impurity ; the organic matter, constituting a portion of this impurity, contained ·407 lbs. of carbon and ·039 lbs. of nitrogen. This solid impurity also contained ·355 lbs. of nitrogen in the forms of nitrates and nitrites, besides ·001 lbs. of ammonia, whilst the total amount of combined nitrogen in every form was ·395 lbs. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 3240 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage or animal contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·75 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 20·02 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of DECEMBER 1869 : thus, according to their account, 93,650,519 gallons or 425,497 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily ; or 89·8 decalitres, rather less than a *ton* by weight, to each house, and 12·7 decalitres (= 27·8 gallons) to each person.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for do- mestic consumption) during the Month of	
	NOVEMBER 1869.	DECEMBER 1869.	NOVEMBER 1869.	DECEMBER 1869.
TOTAL SUPPLY . . .	473,876	474,010	97,329,081	93,650,519
From Thames . . .	219,082	219,194	50,012,445	48,441,889
From Lea and from other Sources . .	254,794	254,816	47,316,636	45,208,630
THAMES.				
Chelsea	27,435	27,435	7,640,300	7,523,700
West Middlesex	40,163	40,163	7,785,674	7,682,577
Southwark and Vauxhall	76,623	76,657	15,169,332	15,112,945
Grand Junction	30,929	30,929	9,043,339	9,257,767
Lambeth	43,932	44,010	9,773,900	8,864,900
LEA AND OTHER SOURCES.				
New River	117,190	117,212	22,416,000	20,783,000
East London	98,944	98,944	17,802,000	18,066,732
Kent	38,660	38,660	7,098,636	6,358,898

Note.—The Return for December as compared with that for November shows an increase of 131 houses, and a decrease of 3,678,562 gallons of water supplied daily

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRD Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1858	1859	1996	1931	2076	2122	2246	2189	2202	2276	2075·5	2239
Males . .	940	939	1007	984	1063	1053	1149	1131	1129	1125	1052·0	1130
Females .	918	920	989	947	1013	1069	1097	1058	1073	1151	1023·5	1109
TOTAL Deaths	1297	1926	1391	1477	2180	1585	1569	1714	1596	1578	1631·3	1652
Males . .	679	924	677	739	1037	813	763	817	800	781	801·0	842
Females .	618	1002	714	738	1173	767	801	897	796	797	830·3	810

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	Oct. 30.	Nov. 6.	Nov. 13.	Nov. 20.	Nov. 27.	Dec. 4.	Dec. 11.	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.
TOTAL Deaths	1536	1772	1689	1859	1676	1705	1759	1566	1357	1996	1697	1664	1652
Deaths under 5 years of age	719	848	773	855	790	811	828	706	596	840	694	666	668
Deaths 5—20	151	149	184	169	141	178	138	127	130	157	105	115	109
Deaths 20—40	192	226	197	233	190	178	187	175	159	244	192	233	213
Deaths 40—60	240	223	245	246	249	243	260	237	212	297	256	271	254
Deaths 60—80	177	282	239	293	258	246	279	260	221	366	367	291	321
Deaths at 80 years & upwards	57	44	51	63	48	49	67	61	39	92	83	88	87
Deaths from Small-pox	2	9	9	6	5	10	11	8	5	7	8	12	8
" Measles	29	46	31	50	50	40	35	26	31	59	30	40	41
" Scarlet Fever	229	241	218	208	219	245	209	186	123	159	134	114	143
" Diphtheria	11	8	10	7	7	4	8	8	7	9	5	8	8
" Whooping-cough	45	74	69	69	70	63	71	62	65	57	67	58	55
" Typhus fever	8	11	10	13	11	13	7	12	8	12	4	13	12
" Enteric (or Typhoid) fever	30	18	14	27	23	18	14	16	14	18	13	14	12
" Simple Contagious fever	6	12	15	14	11	18	19	16	16	21	18	23	15
" Diarrhoea	34	29	21	29	20	19	13	14	14	22	19	13	15
" Phthisis	175	191	173	159	187	153	148	157	119	207	138	179	175
" Bronchitis	150	219	227	265	250	272	259	203	185	305	295	233	242
" Pneumonia	102	114	133	138	119	106	122	103	87	120	102	116	87
" Heart Disease	60	66	70	79	69	62	76	69	55	91	82	71	64
Mean Temperature of the Air	40·0	46·6	41·1	45·8	41·0	34·2	39·2	44·7	38·2	34·2	45·2	39·3	36·1
Mean Temperature of the Water of the Thames	45·7	45·0	44·0	44·3	43·1	39·7	36·3	40·0	41·6	33·4	39·5	41·0	39·1
Humidity of the Air	79	81	79	88	89	83	93	84	85	83	87	87	82
Rain-fall in inches	0·21	0·27	0·08	0·10	1·16	0·80	0·43	1·23	0·86	0·31	0·79	0·48	0·05

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 22d day of January 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 22d Jan.	DEATHS registered during the Week ending 22d Jan.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM - -	214,796	7,209,603	33·6	5166	3831	57·5	23·0	38·4	3·55	0·11	0·2
LONDON - - -	77,997	3,214,707	41·2	2239	1652	48·0	29·6	36·1	2·28	0·05	0·1
PORTSMOUTH - -	9,513	122,084	12·8	70	50	51·2	27·0	36·9	2·72	0·03	0·0
NORWICH - - -	7,472	81,087	10·9	60	34	42·7	30·0	35·0	1·67	0·05	0·1
BRISTOL - - -	4,688	171,382	36·6	103	122	50·1	29·6	37·2	2·89	0·11	0·2
WOLVERHAMPTON -	3,387	72,990	21·5	48	26	49·0	30·3	36·3	2·39	0·10	0·2
BIRMINGHAM - -	7,881	369,604	47·2	278	174	50·7	31·1	36·7	2·51	0·05	0·1
LEICESTER - - -	3,200	97,427	30·4	81	43	46·7	28·0	35·4	1·89	0·05	0·1
NOTTINGHAM - -	1,996	88,888	44·5	66	53	48·0	27·6	36·0	2·22	0·06	0·1
LIVERPOOL - - -	5,108	517,567	101·3	345	259	50·0	29·8	37·0	2·78	0·10	0·2
MANCHESTER - -	4,486	374,993	83·6	311	222	48·0	30·0	37·0	2·78	0·21	0·5
SALFORD - - -	5,172	121,580	23·5	100	70	47·4	29·4	36·8	2·67	0·21	0·5
BRADFORD - - -	6,590	143,197	21·7	103	52	49·5	30·0	36·8	2·67	0·12	0·3
LEEDS - - -	21,572	259,527	12·0	229	129	47·0	32·0	37·0	2·78	0·15	0·3
SHEFFIELD - - -	22,830	247,378	10·8	187	149	46·0	29·0	35·6	2·01	0·26	0·6
HULL - - -	3,562	130,869	36·7	84	53	42·0	23·0	33·9	1·06	0·10	0·2
SUNDERLAND - -	4,821	94,257	19·6	55	44	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	106	59	44·0	30·0	35·2	1·78	0·09	0·2
EDINBURGH - - -	4,427	178,970	40·4	135	122	46·7	29·0	36·6	2·56	0·10	0·2
GLASGOW - - -	5,063	468,189	92·5	377	340	43·7	29·7	35·4	1·89	0·23	0·5
DUBLIN - - -	9,745	321,540	33·0	189	179	57·5	30·8	40·4	4·66	0·09	0·2
PARIS - - -	—	1,889,842	—	—	980	—	—	—	—	—	—
				Week ending 15 Jan. 1870.	Week ending 15 Jan. 1870.	Week ending 15th January 1870.					
VIENNA - - -	—	605,200	—	—	319	—	—	35·4	1·88	—	—
				Week ending 20 Jan. 1870.	Week ending 20 Jan. 1870.	Week ending 20th January 1870.					
BERLIN - - -	—	702,437	—	—	387	—	—	30·4	—0·88	—	—

The areas of the above Cities and Boroughs have been revised by Colonel Sir Henry James, R.E., F.R.S.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS during the Week ending Saturday the 22d day of January 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Houses.
LONDON - - -	27	1652	338	408	8	41	143	8	55	39	15	55	95	294
PORTSMOUTH - -	21	50	6	13	—	2	5	—	1	—	1	1	1	17
NORWICH - - -	22	34	2	22	—	—	—	—	—	1	—	1	2	—
BRISTOL - - -	37	122	22	29	—	7	4	1	4	1	2	1	5	17
WOLVERHAMPTON -	19	26	7	5	—	—	—	—	—	3	—	—	—	—
BIRMINGHAM - -	25	174	45	42	—	1	5	1	14	2	2	12	25	17
LEICESTER - - -	23	43	15	7	—	3	1	—	1	—	1	1	2	17
NOTTINGHAM - -	31	53	4	14	—	—	5	—	1	3	1	1	1	—
LIVERPOOL - - -	26	259	67	54	—	4	15	—	4	11	11	13	19	13
MANCHESTER - -	31	221	60	28	1	2	8	1	23	6	2	3	16	31
SALFORD - - -	30	70	10	16	4	1	1	—	13	2	2	—	2	—
BRADFORD - - -	19	52	10	8	—	—	3	—	1	3	1	1	1	—
LEEDS - - -	26	129	41	23	—	—	13	2	4	3	—	—	6	—
SHEFFIELD - - -	31	149	35	23	—	1	35	—	1	8	2	1	3	10
HULL - - -	21	53	9	14	—	—	6	—	—	1	—	1	1	—
SUNDERLAND - -	24	44	11	13	—	—	—	1	2	2	—	1	1	—
NEWCASTLE-ON-TYNE -	23	59	21	10	—	1	3	1	1	3	1	2	4	—
DUBLIN - - -	29	179	25	55	—	3	15	—	1	15	5	5	7	57

TABLE 5.—DEATHS IN LONDON Registered in the THIRD Week of the Year 1870.

CAUSES OF DEATH.	Averages of the Third Week in the 10 years 1860-69.	In the Week ending Saturday, January 22, 1870.							CAUSES OF DEATH.	Averages of the Third Week in the 10 years 1860-69.	In the Week ending Saturday, January 22, 1870.						
		Deaths of Persons of the Ages									Deaths of Persons of the Ages						
		ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.			ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.
			Mean T. m.	0-5.								5-20.	Mean T. m.					0-5.	5-20.
Mean Temperature -	37°6	36°1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature -	37°6	36°1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES -	1631'3	1652	668	109	213	254	321	87	9. Stricture of Intestines -	1'1	1	-	-	-	-	1	-
SPECIFIED CAUSES	1611'5	1647	666	108	212	254	320	87	10. Fistula -	1'2	1	-	-	-	-	2	-
ZYMOTIC DISEASES.									11. Stomach Disease, &c. -	6'8	8	-	-	-	-	4	2
ORDER 1.									12. Pnenovis Disease, &c. -	1'1	1	-	-	-	-	-	-
Small-pox -	19'0	8	5	2	1	-	-	-	13. Hepatitis -	3'2	3	1	-	1	-	1	1
Measles -	34'0	41	37	3	8	1	-	-	14. Jaundice -	2'9	4	1	-	1	-	1	1
Scarlet Fever (Scarlatina) -	52'1	143	98	37	8	-	-	-	15. Liver Disease, &c. -	16'3	13	-	-	3	6	3	-
Diphtheria -	10'8	8	4	1	1	1	1	-	16. Spleen Disease, &c. -	1	-	-	-	-	-	-	-
Quinsy -	1'9	9	9	-	-	-	-	-	ORDER 5.								
Whooping cough -	17'0	9	4	-	-	-	-	-	1. Nephritis -	1'4	3	1	-	2	-	-	-
Measles -	68'6	55	52	3	-	-	-	-	2. Ischuria -	9'0	11	-	1	5	4	1	-
Erysipelas -	32	12	1	2	6	2	1	-	3. Bright's Disease (Nephria) -	2'2	4	-	-	1	2	-	-
Enteric or Typhoid Fever -	53'9	12	7	4	1	-	-	-	4. Diabetes -	1'4	1	-	-	1	1	-	-
Simple continued Fever -	5'7	15	5	2	3	1	4	-	5. Calculus (Stone) -	1'1	1	-	-	1	1	-	-
Crysipelas -	5'2	6	5	-	-	2	1	-	6. Cystitis -	9'4	12	-	1	2	4	5	-
Intermittent Fever (Metria) -	1'3	1	-	-	-	-	-	-	7. Kidney Disease, &c. -								
Jaundice -	3'3	2	1	-	1	-	-	1	ORDER 6.								
Dysentery -	2'0	2	1	-	1	-	-	-	1. Ovarian Dropsy -	1'0	-	-	-	-	-	-	-
Hæmorrhæa -	12'3	15	9	1	1	2	2	-	2. Uterus Disease, &c. -	3'2	3	-	-	1	1	1	-
Simple Cholera -	5	1	1	-	-	-	-	-	ORDER 7.								
Intermittent Fever -	9'7	6	-	1	1	2	2	-	1. Synovitis (Arthritis) -	2	5	2	1	1	1	-	-
Other Zymotic Diseases -	1	-	-	-	-	-	-	-	2. Joint Disease, &c. -	4'4	-	-	-	-	-	-	-
ORDER 2.									ORDER 8.								
Syphilis -	7'5	12	10	-	1	1	-	-	1. Phlegmon -	1'5	1	1	-	-	-	-	-
Stricture of Urethra -	1'2	-	-	-	-	2	-	-	2. Ulcer -	7	-	-	-	-	-	-	-
Hydrophobia -	-	-	-	-	-	-	-	-	3. Skin Disease, &c. -	1'0	-	-	-	-	-	-	-
Glanders -	-	-	-	-	-	-	-	-	IV. DEVELOPMENTAL DISEASES.								
ORDER 3.									ORDER 1.								
Privation -	1'3	5	-	-	1	1	3	-	1. Prem-ture Birth -	20'3	32	32	-	-	-	-	-
Want of Breast-milk -	3'7	4	4	-	-	-	-	-	2. Cyanosis -	1'7	-	-	-	-	-	-	-
Want of Food and Scoury -	1'6	2	1	-	-	1	-	-	3. Spina Bifida -	1'8	-	-	-	-	-	-	-
Alcohol Del. Tremens -	1'9	3	-	-	2	1	-	-	4. O hor Malformations -	1'1	1	1	-	-	-	-	-
Alcohol Intemperance -	1'4	3	-	-	-	3	-	-	5. Teething -	19'1	22	22	-	-	-	-	-
ORDER 4.									ORDER 2.								
Thrush -	2'2	4	4	-	-	-	-	-	1. Paramenia -	3	1	-	-	1	-	-	-
Worms, &c. -	3	-	-	-	-	-	-	-	2. Cididbirth (see Puer- peral Fever) -	5'0	4	-	-	4	-	-	-
CONSTITUTIONAL DIS.									ORDER 3.								
ORDER 1.									1. Old Age -	77'5	94	-	-	-	-	40	54
Gout -	1'7	1	-	-	-	5	1	-	ORDER 4.								
Dropsy -	14'6	18	5	-	-	6	6	-	1. Atrophy and Debility -	57'5	69	54	-	2	2	11	-
Cancer -	25'5	33	-	-	6	15	12	-	V. VIOLENT DEATHS, &c.								
Caruncular Oris (Noma) -	7	3	-	-	-	-	-	-	ORDER 1.								
Mortification -	4'2	3	-	-	-	-	3	-	(ACCIDENT OR NEGLIGENCE.)								
ORDER 2.									1. Fractures and Contusions -	15'3	19	1	6	2	4	5	1
Scrofula -	7'0	4	2	2	-	-	-	-	2. Wounds -	5	-	-	-	-	-	-	-
Tuberc Mesenterica -	14'1	19	14	5	-	-	-	-	3. Burns and Scalds -	10'8	8	6	1	1	-	-	-
Phthisis -	178'7	175	9	11	93	53	9	-	4. Poison -	1'2	2	-	-	1	1	-	-
Hydrocephalus -	29'5	29	28	1	-	-	-	-	5. Drowning -	3'8	2	1	-	1	-	-	-
LOCAL DISEASES.									6. Suffocation -	10'0	8	8	-	-	-	-	-
ORDER 1.									7. Otherwise -	2'6	1	1	-	-	-	-	-
Cephalitis -	12'9	19	14	-	1	3	1	-	ORDER 3.								
Amplexy -	36'8	30	2	1	4	4	10	-	(HOMICIDE.)								
Paralysis -	36'0	39	1	-	2	9	25	2	1. Murder and Manslaughter -	2'2	5	3	-	1	1	-	-
Insanity -	1'5	4	-	-	-	2	2	-	ORDER 4.								
Chorea -	1	-	-	-	-	-	-	-	(SUICIDE.)								
Epilepsy -	6'3	6	-	1	1	4	-	-	1. Wounds Gunshot -	1	1	-	-	1	1	-	-
Convulsions -	51'1	57	55	2	-	-	-	-	2. Poison -	1'3	2	-	-	-	1	-	-
Brain Disease, &c. -	17'8	21	3	-	5	3	10	-	3. Drowning -	5	2	-	-	-	2	-	-
ORDER 2.									4. Hanging -	2'1	1	-	-	1	-	-	-
Pericarditis -	2'2	4	-	2	1	1	-	-	5. Otherwise -	1	-	-	-	-	-	-	-
Aneurism -	2'9	6	-	-	-	2	1	-	ORDER 5.								
Heart Disease, &c. -	74'5	81	-	3	10	21	29	1	(EXECUTION.)								
ORDER 3.									1. Hanging -	-	-	-	-	-	-	-	-
Laryngitis -	7'4	6	4	1	1	-	-	-	Violent Deaths (not classed)	2	1	-	-	-	-	1	-
Bronchitis -	271'7	242	76	5	7	47	86	21	Sudden Deaths (Cause un- ascertained)	4'8	2	-	-	1	-	1	-
Pleurisy -	4'4	2	-	1	1	-	-	-	Causes not specified or ill- defined	15'0	3	2	1	-	-	-	-
Pneumonia -	110'1	87	56	1	11	9	9	1									
Asthma -	28'6	20	-	-	-	11	9	-									
Lung Disease, &c. -	17'6	9	4	-	-	2	3	-									
ORDER 4.																	
Gastritis -	2'2	1	1	-	-	-	-	-									
Enteritis -	5'0	6	3	-	1	1	2	-									
Colitis -	5'2	4	-	2	1	1	-	-									
Ascites -	8'2	2	-	-	-	-	-	-									
Ulceration of Intestines -	2'4	7	1	-	-	3	3	-									
Hæmia -	4'8	7	-	-	1	3	1	2									
Leucæmia -	3'1	2	-	-	2	-	-	-									
Intussusception -	1'1	1	-	1	-	-	-	-									

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euterie (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.		
LONDON		2,803,989	2239	1652	338	408	8	41	143	8	55	12	12	15	15	55	95		
WEST DISTRICTS		458,125	315	271	64	69	-	2	13	1	12	-	2	1	4	17	19		
NORTH DISTRICTS		618,210	491	347	71	97	2	14	27	2	9	5	4	3	2	12	26		
CENTRAL DISTRICTS		383,321	228	201	33	44	-	-	15	2	3	1	2	3	3	13	21		
EAST DISTRICTS		571,158	511	360	63	89	4	9	31	1	15	-	-	4	-	5	13		
SOUTH DISTRICTS		773,175	694	473	102	109	2	16	52	2	15	6	4	4	6	8	16		
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	35	29	9	12	-	-	3	-	1	-	-	-	-	1	2		
St. John Paddington H		36769	8	13	1	5	-	-	1	-	2	-	-	-	-	-	-		
Kensington Town W		51910	50	35	9	7	-	-	2	-	1	-	-	-	-	2	2		
Brompton H		18198	12	13	-	8	-	-	-	-	-	-	-	-	-	-	-		
St. Peter Hammersmith		5415	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith		19104	22	14	2	1	-	1	3	-	-	-	-	-	-	4	3		
Fulham W		15539	16	15	4	4	-	-	-	-	-	-	-	-	-	1	1		
Chelsea South H		21654	20	13	3	4	-	-	1	-	-	-	-	-	-	1	1		
Chelsea North-west WH		19899	13	13	4	2	-	-	2	-	1	-	-	-	-	1	2		
Chelsea North-east		21886	17	5	1	1	-	-	-	-	1	-	-	-	-	-	-		
Hanover Square		19773	9	5	1	2	-	-	-	-	-	-	-	-	-	-	-		
May Fair W		12885	2	5	1	1	-	-	-	-	-	-	-	-	1	-	-		
Belgrave H		55113	33	31	8	2	-	1	1	1	2	-	1	-	-	3	3		
St. John Westminster		37483	24	21	6	6	-	-	-	-	2	-	-	1	1	-	1		
St. Margaret Westminster WH		30730	24	32	10	8	-	-	-	-	1	-	-	-	-	2	1		
St. James's Square		10753	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
Golden Square W		13466	9	11	1	3	-	-	2	-	-	-	-	-	-	2	3		
Berwick-street		10607	3	4	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Anne Soho		17426	11	8	1	2	-	-	2	-	-	-	1	-	-	-	-		
NORTH DISTRICTS.																			
All Souls Marylebone H		29932	13	18	-	5	-	1	1	-	1	-	-	1	-	-	-		
Cavendish Square		15090	2	5	3	1	-	-	-	-	-	-	-	-	-	-	-		
Rectory Marylebone W		26692	21	29	4	9	-	-	1	-	-	-	-	-	-	-	1		
St. Mary Marylebone		22493	24	6	1	1	-	-	-	-	1	-	-	-	-	-	1		
Christchurch Marylebone		34913	29	11	2	4	-	-	-	-	-	-	-	-	3	1	1		
St. John Marylebone		32740	13	12	4	1	-	1	-	1	-	1	-	-	-	1	2		
Hampstead W		19106	21	13	3	2	-	1	-	-	4	-	-	-	-	-	-		
Regent's Park Pancras		34927	20	8	3	2	-	-	-	-	-	-	-	1	1	-	-		
Tottenham-court wh		28371	8	19	4	4	-	-	1	-	-	-	-	-	-	-	-		
Gray's Inn Lane H		27808	17	15	2	2	-	-	2	3	-	-	-	-	-	1	1		
Somers Town		39099	29	12	4	2	-	-	1	-	-	-	-	-	-	-	-		
Camden Town W		23266	17	19	5	10	-	-	-	-	-	-	-	-	-	1	4		
Kentish Town		44317	49	23	9	5	1	4	1	-	-	-	-	-	-	1	2		
Islington West* WHH		75142	80	47	11	12	1	2	6	-	3	1	1	-	-	1	5		
Islington East W		79899	74	51	11	16	-	2	7	-	1	1	2	-	-	2	3		
Stoke Newington		6603	4	7	-	3	-	-	2	-	-	-	-	-	-	1	1		
Stamford Hill		5183	5	1	-	-	-	-	1	-	-	-	-	-	-	-	-		
West Hackney		24265	21	8	-	4	-	-	-	-	-	-	-	1	-	-	-		
Hackney WH		31481	30	31	4	12	-	2	1	-	1	-	-	-	1	1	3		
South Hackney L		15158	23	7	1	2	-	-	1	-	-	-	-	-	-	-	1		
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	9	6	1	2	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South W		19483	22	16	6	2	-	-	-	-	-	-	-	-	-	1	-		
St. Giles North		17201	13	12	2	1	-	-	3	-	-	-	-	-	-	-	-		
Long Acre		11618	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-		
Charing Cross WH		11011	5	10	3	3	-	-	-	-	-	-	-	-	-	1	-		
St. Mary-le-Strand		10346	6	5	1	2	-	-	-	-	-	-	1	-	-	-	-		
St. Clement Dunes H		15207	2	8	2	5	-	-	-	-	-	-	-	-	-	1	-		
St. George-the-Martyr H		19903	12	15	4	5	-	-	-	-	-	-	-	-	-	-	-		
St. Andrew East Holborn W		12947	10	17	3	5	-	-	2	-	-	-	-	-	2	1	5		
Saffron Hill		12012	4	4	-	-	-	-	2	-	-	-	-	-	-	-	-		
St. James Clerkenwell W		19152	13	14	4	3	-	-	-	-	-	-	-	-	1	2	5		
Anwell Clerkenwell		17250	16	6	-	-	-	-	-	1	-	-	-	-	-	-	-		
Pentonville		13079	9	6	-	-	-	-	-	-	-	-	1	-	-	-	-		
Goswell-street		16200	15	9	-	-	-	-	4	-	-	-	-	-	-	-	-		
Old-street		1154	9	6	1	2	-	-	-	-	-	1	-	-	-	-	-		
City-road H		17860	17	11	3	2	-	-	1	-	-	-	-	-	-	1	2		
Whitecross street		14778	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury		12921	5	4	1	1	-	-	-	1	-	-	-	-	-	1	1		
St. Botolph East London		20990	14	8	2	1	-	-	-	-	2	-	-	-	1	-	-		
Cripplegate		1967	11	10	2	3	-	-	1	-	-	-	-	-	-	-	-		
St. Sepulchre WH		11750	7	15	2	2	-	-	-	-	-	-	-	-	-	2	4		
St. Bride		18395	4	3	-	-	-	-	-	-	-	-	-	1	-	1	1		
Castle Baynard		7762	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
Christchurch		9929	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-		
Queenhithe		8570	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Allnallows Barking		8659	4	2	-	-	-	-	-	-	-	-	-	-	-	1	1		
Broad Street		11544	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

H—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 4. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, JANUARY 29. [Price 1d.

*General Register Office, Somerset House,
31st January 1870.*

IN the week that ended on Saturday, 29th January, 5299 BIRTHS and 3959 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 29 per 1000 persons estimated to be living, against 28 in each of the two previous weeks.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow :—20 per 1000 in Portsmouth, 20 in Wolverhampton, 21 in Sunderland, 23 in Hull, 25 in Birmingham, 26 in London, 27 in Bradford, 27 in Liverpool, 28 in Nottingham, 28 in Newcastle-upon-Tyne, 28 in Leicester, 30 in Leeds, 30 in Norwich, 31 in Sheffield, 35 in Manchester, 36 in Salford, and 36 in Bristol. Scarlet fever continues prevalent in many of the above large towns ; its fatality showed a decline last week in London and Sheffield, while it had increased in Liverpool, Leeds, and Bristol. In the 17 English towns, 218 deaths were referred to this disease last week, against 241, 218, and 247 in the three previous weeks. The fatal cases of fever showed a general decline in most of the large towns last week.

The deaths registered last week in Edinburgh were at the annual rate of 47 per 1000 persons living, in Glasgow 38 per 1000, and in Dublin 30. The 184 deaths in Dublin included 13 fatal cases of fever, and 10 of scarlet fever.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 29 per 1000 persons living. The deaths in Berlin in the seven days ending Thursday, 27th inst., gave an annual rate of 30 per 1000, and in Vienna during the week ending 22d inst. also a rate of 30 per 1000. Small-pox continues prevalent in Paris, 47 fatal cases being reported last week, against 27 and 48 in the two previous weeks.

IN LONDON the BIRTHS of 1200 boys and 1159 girls, in all 2359 children, were registered last week. In the corresponding weeks of ten years 1860-69 the average number, corrected for increase of population, was 2299.

The DEATHS registered in LONDON during the week were 1613. It was the fourth week of the year ; and the average number of deaths for that week was, with a correction for increase of population, 1764. The deaths in the present return are less by 151 than the estimated number.

Six hundred and thirty-four children died under 5 years of age, 125 young persons were 5 and under 20, 220 persons were 20 and under 40, 255 were 40 and under 60, 312 were 60 and under 80, and 67 were 80 years of age and upwards.

The deaths from zymotic diseases were 336, the corrected average number being 349. Five deaths from small-pox, 28 from measles, 118 from scarlet fever, 7 from diphtheria, 67 from whooping-cough, 7 from typhus fever, 17 from enteric (or typhoid) fever, 11 from simple continued fever, and 8 from diarrhoea were registered.

The son of an undertaker, aged 2 years, died on 25th January at 7 Coleharbour-street, Bethnal-green, from "relapsing fever."

A carman, aged 30 years, died on 25th January in Guy's Hospital, from "relapsing fever, pneumonia."

The deaths from measles were less by 13, and the deaths from scarlet fever were less by 25 than the numbers recorded in the preceding week.

A comparison of the deaths from fever with those registered in the previous week shows a decrease of 4 on the total number; a decrease of 5 deaths from typhus fever, an increase of 5 deaths from enteric (or typhoid) fever, and a decrease of 4 deaths from simple continued fever.

One hundred and eighty persons died from phthisis, 277 from bronchitis, and 81 from pneumonia.

Seven deaths occurred from erysipelas, 7 from rheumatism, 14 from dropsy, 24 from cancer, 11 from scrofula, 15 from mesenteric disease, 31 from hydrocephalus, 19 from cephalitis, 42 from apoplexy, 32 from paralysis, 9 from epilepsy, 68 from convulsions, 84 from diseases of the heart, 4 from peritonitis, 6 from hernia, 14 from diseases of the liver, 12 from nephria (Bright's disease), 57 from atrophy and debility, and 64 from old age.

The deaths of 3 children and 3 adults from burns or scalds, of 2 children and 4 adults from drowning, of 3 infants from suffocation, and of 4 persons who committed suicide were recorded.

The deaths of 252 persons in Public Institutions of the Metropolis were registered; of these 146 died in Workhouses, one in a Military Asylum, 79 in General Hospitals, 15 in Hospitals for Special Diseases, one in a Military Hospital, 4 in Hospitals and Asylums for Foreigners, and 6 in Lunatic Asylums.

The following deaths of 3 persons who were killed by horses or vehicles in the streets were registered:—

A groom, aged 24 years, "fractured skull; fell from a horse." Died on 24th January in St. George's Hospital. (*Inquest.*)

The widow of an ironmonger, aged 78 years, "bronchitis and fracture of neck of thigh bone by a cab." Died on 22d January in the Union House, Thavies Inn. (*Inquest.*)

A carman, aged 36 years, "fractured skull; fell from a cart." Died on 23d January in Poplar Hospital, Bromley. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·142 in. The barometrical reading decreased from 30·33 in. on Tuesday, 25th January, to 29·97 in. on Saturday, 29th January. The mean temperature of the air in the week was 31·6°, which 6·5° below the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was 40·8° on Sunday, 23d January. The lowest night temperature was 19·6° on Friday, 28th January. The entire range of temperature in the week was, therefore, 21·2°. The mean of the highest temperatures of the water of the Thames was 38·3°; that of the lowest was 37·0°. The difference between the mean dew-point temperature and air temperature was 4·7°. The mean degree of humidity of the air was 82, complete saturation being represented by 100. No rain fell. The general direction of the wind was N.N.E. and S.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 218,704 cubic metres, and at Barking 123,994 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FOURTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	2067	1978	1801	2086	2107	1894	2149	2237	2323	2260	2090·2	2359
Males . .	1089	1034	900	1079	1044	964	1090	1160	1157	1153	1067·0	1200
Females .	978	944	901	1007	1063	930	1059	1077	1166	1107	1023·2	1159
TOTAL Deaths	1386	1783	1569	1426	1749	1747	1363	1880	1395	1737	1603·5	1613
Males . .	703	909	768	692	873	913	674	956	717	874	807·9	808
Females .	683	874	801	734	876	834	689	924	678	863	795·6	805

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Nov. 6.	Nov. 13.	Nov. 20.	Nov. 27.	Dec. 4.	Dec. 11.	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.
TOTAL Deaths - - -	1772	1689	1859	1676	1705	1759	1566	1357	1996	1697	1664	1652	1613
Deaths under 5 years of age -	848	773	855	790	811	828	706	596	840	694	666	668	634
Deaths 5–20 - - -	149	184	169	141	178	138	127	130	157	105	115	109	125
Deaths 20–40 - - -	226	197	233	190	178	187	175	159	244	192	233	213	220
Deaths 40–60 - - -	223	245	246	249	243	260	237	212	297	256	271	254	255
Deaths 60–80 - - -	282	239	293	258	246	279	260	221	366	367	291	321	312
Deaths at 80 years & upwards	44	51	63	48	49	67	61	39	92	83	88	87	67
Deaths from Small-pox -	9	9	6	5	10	11	8	5	7	8	12	8	5
" " Measles -	46	31	50	50	40	35	26	31	59	30	40	41	28
" " Scarlet Fever -	241	218	208	219	245	209	186	123	159	134	114	143	118
" " Diphtheria -	8	10	7	7	4	8	8	7	9	5	8	8	7
" " Whooping-cough -	74	69	69	70	63	71	62	65	57	67	58	55	67
" " Typhus fever -	11	10	13	11	13	7	12	8	12	4	13	12	7
" " Enteric (or Ty- phoid) fever -	18	14	27	23	18	14	16	14	18	13	14	12	17
" " Simple Cont ^d fever -	12	15	14	11	18	19	16	16	21	18	23	15	11
" " Diarrhœa -	29	21	29	20	19	13	14	14	22	19	13	15	8
" " Phthisis -	191	173	159	187	153	148	157	119	207	138	179	175	180
" " Bronchitis -	219	227	265	250	272	259	208	185	305	295	233	242	277
" " Pneumonia -	114	133	138	119	106	122	103	87	120	102	116	87	81
" " Heart Disease -	66	70	79	69	62	76	69	55	91	82	71	64	84
Mean Temperature of the Air	46·6	41·1	45·8	41·0	34·2	39·2	44·7	38·2	34·2	45·2	39·3	36·1	31·6
Mean Temperature of the Water of the Thames -	45·0	44·0	44·3	43·1	39·7	36·3	40·0	41·6	38·4	39·5	41·0	39·1	37·7
Humidity of the Air - -	81	79	88	89	83	93	84	85	83	87	87	82	82
Rain-fall in inches - -	0·27	0·08	0·10	1·16	0·80	0·43	1·23	0·86	0·31	0·79	0·48	0·05	0·00

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Harbup, Esq., F.R.A.S., F.M.S., Liverpool; T. Mackereith, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filler, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 29th day of January 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 29th Jan.	DEATHS registered during the Week ending 29th Jan.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Cent metre.
Total of 20 TOWNS in the UNITED KINGDOM - -	214,796	7,209,603	33·6	5299	3959	48·0	17·0	32·6	0·34	0·02	0·00
LONDON - - -	77,997	3,214,707	41·2	2359	1613	40·8	19·6	31·6	-0·22	0·00	0·00
PORTSMOUTH - -	9,513	122,084	12·8	65	46	46·0	24·2	34·9	0·61	0·00	0·00
NORWICH - - -	7,472	81,087	10·9	77	47	41·9	24·0	33·3	1·73	0·05	0·13
BRISTOL - - -	4,688	171,382	36·6	139	118	41·8	19·4	31·6	-0·22	0·02	0·06
WOLVERHAMPTON -	3,357	72,990	21·5	53	28	37·2	22·7	31·3	-0·39	0·01	0·03
BIRMINGHAM - -	7,831	369,604	47·2	281	176	39·4	22·3	32·5	0·28	0·03	0·08
LEICESTER - - -	3,200	97,427	30·4	71	53	41·5	20·2	30·9	-0·61	0·01	0·03
NOTTINGHAM - -	1,996	88,888	44·5	45	47	40·7	20·7	31·9	-0·06	0·02	0·05
LIVERPOOL - - -	5,108	517,567	101·3	393	272	—	—	—	—	—	—
MANCHESTER - -	4,486	374,993	83·6	259	250	40·0	22·0	31·6	0·22	0·03	0·08
SALFORD - - -	5,172	121,580	23·5	94	83	40·5	23·0	32·7	0·39	0·02	0·05
BRADFORD - - -	6,590	143,197	21·7	74	73	40·5	23·5	32·4	0·22	0·00	0·00
LEEDS - - -	21,572	259,527	12·0	187	150	48·0	22·0	34·3	1·28	0·02	0·06
SHEFFIELD - - -	22,830	247,378	10·8	211	149	43·0	22·0	33·1	0·62	0·06	0·15
HULL - - -	3,562	130,869	36·7	107	57	44·0	17·0	30·7	-0·72	0·04	0·10
SUNDERLAND - -	4,821	94,257	19·6	67	38	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	109	71	39·0	22·0	29·5	-1·39	0·00	0·00
EDINBURGH - - -	4,427	178,970	40·4	145	161	41·7	25·0	32·7	0·39	0·00	0·00
GLASGOW - - -	5,063	468,189	92·5	375	343	39·6	25·4	33·2	0·67	0·04	0·10
DUBLIN - - -	9,745	321,540	33·0	188	184	46·5	23·5	37·9	3·28	0·00	0·00
PARIS - - -	—	1,889,842	—	—	1044	—	—	—	—	—	—
						Week ending 22d January 1870.					
VIENNA - - -	—	605,200	—	Week ending 22 Jan. 1870. —	Week ending 22 Jan. 1870. 846	—	—	30·9	0·62	—	—
						Week ending 27th January 1870.					
BERLIN - - -	—	702,437	—	Week ending 27 Jan. 1870. 628	Week ending 27 Jan. 1870. 405	—	—	28·2	2·12	—	—

The areas of the above Cities and Boroughs have been revised by Colonel Sir Henry James, R.E., F.R.S.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS during the Week ending Saturday the 29th day of January 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
LONDON - - -	26	1613	319	379	5	28	118	7	67	35	8	42	72	252
PORTSMOUTH - -	20	46	7	14	—	—	6	—	—	2	—	—	3	5
NORWICH - - -	30	47	8	19	—	—	1	—	1	—	1	—	1	9
BRISTOL - - -	36	118	15	31	—	6	11	1	4	1	2	2	5	10
WOLVERHAMPTON -	20	28	9	6	—	—	—	—	—	3	—	—	—	5
BIRMINGHAM - -	25	176	41	34	—	—	5	2	13	4	2	15	28	19
LEICESTER - - -	23	53	19	16	—	2	—	—	1	2	1	1	2	3
NOTTINGHAM - -	28	47	10	9	—	—	4	—	2	—	1	1	3	6
LIVERPOOL - - -	27	272	74	54	—	—	22	1	4	4	4	10	15	52
MANCHESTER - -	35	250	50	38	1	5	9	—	17	9	3	8	18	38
SALFORD - - -	36	83	18	17	—	—	1	1	7	2	4	—	2	4
BRADFORD - - -	27	73	12	10	—	1	4	—	2	4	1	2	—	6
LEEDS - - -	30	150	30	24	—	—	18	2	8	8	—	6	8	17
SHEFFIELD - - -	31	149	22	21	—	2	22	—	—	4	1	1	7	7
HULL - - -	23	57	3	9	—	—	7	—	1	1	—	1	2	6
SUNDERLAND - -	21	38	8	7	—	—	—	1	—	2	1	1	2	3
NEWCASTLE-ON-TYNE -	28	71	15	11	—	—	3	—	2	8	1	4	3	10
DUBLIN - - -	50	184	25	48	—	2	10	1	1	13	1	4	6	53

TABLE 5.—DEATHS in LONDON Registered in the FOURTH Week of the Year 1870.

[illegible]

RE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Public Insti- tutions.
LONDON	2,803,989	2359	1613	319	379	5	28	118	7	67	7	17	11	8	42	72	
WEST DISTRICTS.																	
St. Mary Paddington WH	39015	41	25	6	2	-	-	3	-	1	-	-	-	-	-	-	-
St. John Paddington H	36769	11	20	3	7	-	-	-	1	-	-	-	-	-	-	-	2
Kensington Town W	51910	68	32	9	7	-	-	1	-	2	-	-	-	-	1	1	8
Brompton H	18198	14	14	3	3	-	1	1	-	-	-	-	-	-	-	-	-
St. Peter Hammersmith	5415	4	2	1	1	-	-	-	-	-	-	1	-	-	-	-	-
St. Paul Hammersmith	19104	20	15	3	4	-	-	1	-	1	-	-	-	1	1	-	-
Fulham W	15539	20	17	2	2	-	-	-	-	1	-	-	-	-	-	-	-
Chelsea South H	21654	17	14	2	5	-	-	1	-	1	-	-	-	-	-	1	-
Chelsea North-west HW	19899	15	14	2	2	-	-	2	-	-	-	-	-	-	-	-	-
Chelsea North-east	21886	7	12	1	2	-	-	-	-	-	-	-	-	-	-	2	-
Hanover Square	19773	8	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
May Fair W	12885	1	5	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Belgrave H	55113	35	38	5	10	-	-	1	-	-	-	2	1	-	2	3	1
St. John Westminster	37483	29	17	5	2	-	-	2	-	2	-	-	-	-	-	-	-
St. Margaret Westminster WH	30730	19	21	6	3	-	-	-	2	1	-	-	-	-	1	2	-
St. James's Square	10753	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Golden Square W	13965	7	14	2	7	-	-	-	-	-	-	-	-	-	-	-	-
Berwick-street	10607	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Anne Soho	17426	7	10	2	4	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																	
All Souls Marylebone H	29952	11	22	4	5	-	1	-	-	-	1	-	-	-	-	1	-
Cavendish Square	15090	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W	26092	18	24	2	13	-	-	1	-	-	-	-	-	-	-	-	-
St. Mary Marylebone	22463	18	16	2	4	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone	34913	25	12	4	3	-	1	1	-	-	-	-	1	1	-	1	-
St. John Marylebone	32540	14	12	1	5	-	-	1	-	-	-	1	-	-	-	-	-
Hampstead W	19106	13	14	2	4	-	1	1	-	3	-	-	-	-	-	1	-
Regent's Park Pancras	34927	17	15	2	6	-	-	1	-	-	-	-	-	-	-	1	-
Tottenham-court WH	29371	24	20	4	3	-	-	-	-	2	-	-	-	-	-	-	-
Gray's Inn Lane H	27808	23	8	2	3	-	-	-	-	-	-	-	-	1	-	2	-
Somers Town	39099	36	17	1	1	-	-	3	-	-	1	-	-	-	-	-	-
Camden Town W	23266	15	17	7	5	-	-	-	-	1	-	-	-	-	1	2	-
Kentish Town	44317	65	25	8	4	-	-	3	-	-	-	-	-	-	-	-	-
Islington West* WHH	75442	83	50	11	10	2	1	6	-	1	2	-	-	-	-	-	1
Islington East Ww	79809	118	48	11	10	1	1	7	-	2	-	-	-	-	-	2	-
Stoke Newington	6603	4	7	2	1	-	-	2	-	1	1	-	-	-	-	-	-
Stamford Hill	5483	4	7	3	2	-	-	-	-	1	-	-	-	-	-	-	-
West Hackney	24265	29	7	2	1	-	-	2	-	-	-	-	-	-	-	1	-
Hackney WHw	31481	21	29	3	12	-	-	2	1	-	-	1	-	-	-	3	-
South Hackney L	15438	17	10	-	3	-	1	1	-	-	-	-	-	-	-	2	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury	17392	11	10	1	3	-	-	-	-	1	-	-	-	-	-	-	-
St. Giles South W	19483	12	12	1	6	-	-	2	-	-	-	-	-	1	-	2	-
St. Giles North	17201	15	6	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Long Acre	11618	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Charing Cross WH	11071	5	11	1	2	-	-	-	-	-	-	-	-	-	1	1	-
St. Mary-le-Strand	10346	8	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H	13207	9	9	1	1	-	1	-	-	-	-	-	-	-	1	1	-
St. George-the-Martyr H	19903	12	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew East Holborn W	12247	14	13	5	4	-	-	-	-	-	-	-	-	-	1	1	-
St. Martin-in-the-Fields	12012	8	11	8	1	-	-	1	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W	19152	12	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell	17250	13	8	2	2	-	-	1	-	-	-	-	-	-	-	-	-
Pentonville	13079	18	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Goswell-street	16390	13	10	2	3	-	-	2	-	-	-	-	-	-	-	-	-
Old-street	11504	8	8	1	-	-	-	2	-	1	-	-	-	-	-	-	-
City-road HL	17369	18	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitcross-street	14778	16	8	3	2	-	-	-	-	-	-	-	-	-	-	1	-
Finsbury	12931	9	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph East London	20960	13	6	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Cripplegate	19697	9	8	2	2	-	-	-	-	2	-	-	-	-	-	1	-
St. Sepulchre WH	11750	5	16	-	2	-	-	1	-	-	-	1	1	-	1	1	-
St. Bride	15395	7	9	1	2	-	-	-	-	1	-	-	-	-	1	1	-
Castle Baynard	7762	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch	9023	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe	8570	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking	8659	3	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Broad Street	11544	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

R, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT day, 29th January 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																			
Well Shoreditch	-	17313	12	6	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Conard Shoreditch Lt	-	19188	17	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
on New Town w	-	26516	28	14	4	4	-	-	1	-	2	-	-	-	-	-	-	-	-
on Old Town	-	25777	16	13	5	2	-	-	1	-	-	-	-	-	-	-	-	-	-
erstone West W	-	23260	12	15	3	3	-	1	-	-	2	-	-	1	-	-	-	-	3
erstone East	-	17310	13	6	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
ey-road	-	26298	26	18	7	1	-	-	2	-	2	-	-	1	-	-	-	-	-
h, Bethnal Green WLLt	-	31789	39	18	2	6	-	-	1	1	2	-	-	1	-	-	-	-	8
h, Bethnal Green	-	25528	18	15	2	4	-	-	4	-	-	-	-	-	-	-	-	-	-
h, Bethnal Green	-	21486	12	16	4	2	-	-	1	-	-	-	-	1	-	-	-	-	-
ry Whitechapel	-	6557	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ields	-	15700	10	5	1	1	-	1	-	-	-	-	-	-	-	-	1	-	-
nd New Town W	-	15392	9	15	2	8	-	-	-	-	-	-	-	-	-	1	-	-	13
chapel North	-	12122	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chapel Church H	-	8062	5	12	-	2	-	-	-	-	-	-	-	-	-	-	4	4	11
nan's Fields	-	11166	8	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
te	-	9071	5	4	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-
ary St. George East	-	18181	11	7	2	2	1	-	-	1	1	-	-	-	-	1	1	-	-
ul St. George East	-	21015	17	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
hn St. George East W	-	9695	13	15	2	1	-	-	1	-	2	-	-	-	-	-	-	-	4
ell W	-	12537	5	10	2	3	-	-	-	-	2	-	-	-	-	-	1	1	-
ft W	-	16874	8	11	3	3	-	-	-	-	-	-	-	-	-	-	2	3	3
house W	-	27161	21	10	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
nd Old Town West	-	33747	32	12	3	1	-	-	2	-	1	-	-	-	-	1	1	-	-
nd Old Town East Ww	-	39317	36	25	4	3	-	-	2	-	-	-	-	-	-	-	2	2	-
WwLt	-	35667	52	35	9	12	-	2	3	-	1	-	1	-	-	2	3	10	5
r W	-	43529	34	23	3	3	-	1	4	-	1	-	-	-	1	1	2	-	-
SOUTH DISTRICTS.																			
church Southwark W	-	17069	7	9	3	2	-	1	-	-	-	-	-	-	-	-	-	-	2
viour Southwark H	-	19101	15	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
road	-	19652	16	8	1	-	-	2	2	-	1	-	-	-	-	-	-	-	-
gh-road W	-	16658	17	17	2	6	-	-	-	-	-	-	-	-	-	-	-	-	6
on-road L	-	19190	17	12	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
y Newington	-	22375	20	8	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-
ter Walworth W	-	44463	31	31	4	8	-	1	5	-	-	1	-	-	-	1	-	-	3
ary Newington H	-	15082	8	14	1	2	-	1	1	-	1	-	1	-	-	-	-	-	-
ave Southwark H	-	7693	4	15	-	3	-	-	-	-	-	-	-	1	-	4	4	12	-
hn Horsleydown W	-	11393	8	7	1	-	-	-	-	-	-	-	-	-	-	1	1	3	-
er Market	-	16696	12	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
ary Magdalen W	-	16505	11	4	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-
mes Bermondsey	-	25154	38	22	3	6	-	-	2	1	1	-	-	-	-	1	-	-	-
rhithe W	-	24502	25	10	1	3	-	-	1	-	-	-	-	-	-	-	-	-	2
loo-road 1st	-	15269	9	8	-	2	-	-	3	-	-	-	-	-	-	1	1	-	-
loo-road 2nd	-	18640	15	15	3	5	-	1	1	-	1	-	-	-	-	-	-	-	-
eth Church 1st	-	19839	21	15	2	2	-	1	2	-	-	-	-	-	-	1	1	-	-
eth Church 2nd W	-	29542	24	26	11	6	-	-	-	-	4	-	-	-	-	1	1	4	-
ngton 1st	-	30755	21	10	2	5	-	-	1	-	-	-	-	-	-	-	-	-	-
ngton 2nd	-	20440	16	11	3	3	-	-	2	-	2	-	-	-	-	-	-	-	-
ny	-	20067	33	10	2	2	-	-	-	2	-	-	-	-	-	-	-	-	-
od W	-	7462	13	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
am	-	20894	24	12	4	2	-	1	3	-	-	-	-	-	-	-	-	-	-
rsa Ww	-	19600	46	30	11	5	-	1	2	-	1	-	1	-	-	2	2	3	-
sworth L	-	13346	12	5	1	2	-	-	-	-	-	-	-	-	-	-	1	3	-
y	-	6481	3	3	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-
ham	-	10982	7	9	1	5	-	1	-	-	-	-	-	-	-	1	-	-	-
ch	-	1723	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
erwell WLLt	-	21297	28	11	2	3	-	-	1	-	-	-	-	1	-	-	-	3	-
am	-	28135	36	24	5	8	-	-	4	-	1	-	1	-	-	-	-	1	-
orge Camberwell	-	20353	33	13	2	3	-	-	2	-	1	-	1	-	-	-	-	-	-
ul Deptford	-	37834	44	27	10	6	-	1	2	-	1	-	1	-	-	-	-	-	-
cholas Deptford	-	8139	9	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
wich West H	-	21696	17	6	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-
wich East WH	-	18306	17	13	4	7	-	-	-	-	-	-	-	-	-	-	-	-	6
m	-	3009	4	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
m	-	11063	8	5	2	2	-	-	-	-	1	-	-	-	-	1	1	-	-
ham Village W	-	7372	10	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
ham	-	10595	13	8	3	1	-	-	-	-	-	-	-	1	-	1	-	-	-
on	-	9276	5	4	-	1	-	-	1	-	-	-	1	1	-	-	-	-	1
wich Dockyard H	-	22919	14	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
wich Arsenal H	-	18776	18	8	2	2	-	-	1	-	2	-	1	-	-	-	1	-	-
stead West	-	24502	7	3	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
stead East	-		9	5	-	1	-	1	-	-	2	-	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w):

Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
London City " " " Islington East sub-district.	Mile End Old Town Eastern sub-dist. and Bow sub-district.
Do. do. " " Hackney sub-district.	Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 29th JANUARY, 1870.

[Under the Superintendence of the Astronomer Royal.]

[illegible]

NOTES.

The height of the column of the barometris considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's fine glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer observed at these times are converted into mean daily values, and the application of corrections deduced by James Glaisher F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part I, 1848. The mean daily values of the column of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1833, December 31. *In reading the 17th column it will be borne in mind that + is read "higher," and "— lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30·24 in. at the beginning of the week to 30·21 in. by 10h. A.M. on the 23d; increased to 30·33 in. by 9h. P.M. on the 25th; decreased to 29·97 in. by noon on the 26th; and was 29·99 in. by the end of the week.

SKY AND ATMOSPHERE.

Overcast till evening, and thin rain fell occasionally; partially clear afterwards.

Overcast during the morning, and a little thin rain fell; variable throughout the remainder of the day.

Generally cloudless. A very fine day.

Cloudless. Hoar frost. Fog prevailed during the morning.

Cloudless. Fog prevailed throughout the day. Hoar frost.

Fine during the morning, and light clouds prevailed; but overcast throughout the remainder of the day. Hoar frost.

Cloudless. Hoar frost. A fine day,

ELECTRICITY.

No electricity was shown throughout the week.

DATE.	
FEBRUARY.	
SUNDAY	23
MONDAY	24
TUESDAY	25
WEDNESDAY	26
THURSDAY	27
FRIDAY	28
SATURDAY	29

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 5. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, FEBRUARY 5. [Price 1d.

*General Register Office, Somerset House,
7th February 1870.*

IN the week that ended on Saturday, 5th February, 5267 BIRTHS and 4258 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 31 per 1000 persons estimated to be living, against 28 and 29 in the two previous weeks.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow:—17 per 1000 in Portsmouth, 19 in Sunderland, 23 in Leicester, 25 in Hull, 27 in Birmingham, 27 in Bradford, 27 in Bristol, 28 in Wolverhampton, 30 in London, 30 in Sheffield, 31 in Newcastle-upon-Tyne, 33 in Leeds, 36 in Liverpool, 36 in Salford, 37 in Manchester, 40 in Nottingham, and, the highest rate during the week, 45 per 1000 in the city of Norwich. The 3623 deaths returned in the 17 towns showed an increase of 352 or 10·8 per cent. upon those registered in the previous week; the increase was 18·2 per cent. among infants under one year, and 20·3 among persons aged 60 years and upwards. The increase was doubtless in great measure due to the low temperature which prevailed during the last days of January. The deaths referred last week to diseases of the respiratory organs (including phthisis) in London exhibited an increase of 16·0 per cent. upon the previous week; in Liverpool the increase from the same diseases was 36·7 per cent. In the 17 English towns 212 deaths were referred to scarlet fever last week, within six of the number in the previous week. The disease is still most fatally prevalent in Sheffield, and caused 32 deaths in that borough last week, against 35 and 22 in the two previous weeks.

The deaths registered last week in Edinburgh were at the annual rate of 33 per 1000 persons living, in Glasgow 36 per 1000, and in Dublin 34.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 31 per 1000 persons living. The deaths in Berlin in the seven days ending Thursday, 3d inst., gave an annual rate of 29 per 1000, and in Vienna during the week ending 29th ult. a rate of 28 per 1000. Small-pox continues prevalent in Paris, 42 fatal cases being reported last week, against 48 and 47 in the two previous weeks.

IN LONDON the BIRTHS of 1172 boys and 1206 girls, in all 2378 children, were registered last week. In the corresponding weeks of ten years 1860–69 the average number, corrected for increase of population, was 2389.

THE DEATHS registered in LONDON during the week were 1828. It was the fifth week of the year; and the average number of deaths for that week was, with a correction for increase of population, 1680. The deaths in the present return exceed by 148 the estimated number, and exceed by 215 the number recorded in the preceding week.

A comparison of the ages of the persons who died last week with those registered in the previous week shows an increase of 47 deaths of children under 5 years of age, an increase of 9 deaths of young persons 5 and under 20, an increase of 2 deaths of persons 20 and under 40, an increase of 77 deaths of persons 40 and under 60, an increase of 68 deaths of persons 60 and under 80, and an increase of 12 deaths of persons aged 80 years and upwards.

The deaths from zymotic diseases were 347, the corrected average number being 352. Eleven deaths from small-pox, 28 from measles, 107 from scarlet fever, 5 from diphtheria, 79 from whooping-cough, 14 from typhus fever, 9 from enteric (or typhoid) fever, 12 from simple continued fever, and 17 from diarrhœa were registered.

The deaths from measles were lower than in many previous weeks, and the mortality from scarlet fever exhibits a decrease. Eleven deaths from scarlet fever were recorded in the West Districts, 25 in the North, 7 in the Central, 21 in the East, and 43 in the South Districts.

Of the 79 deaths from whooping-cough, 24 occurred in the East Districts, and 33 in the South.

Five deaths from relapsing fever were registered; of these 4 occurred in the London Fever Hospital, and one in the sub-district of Bow.

The deaths of 3 persons from delirium tremens, of 6 children and 2 adults from burns or scalds, of 3 persons from drowning, and of 7 infants from suffocation were recorded.

The widow of a watchmaker died on 31st January at 19 Bedford-square, Mile End Old Town, at the age (as stated) of 101 years.

The daughter of a general dealer, aged 5 years, died on 28th January in the London Hospital of "inflammation of brain from putting a stone in her ear whilst playing." *Post mort. (Inquest.)*

The following deaths of 5 persons whose deaths were either caused or accelerated by privation were registered:—

SHOREDITCH; *Haggerstone West*.—At the Workhouse, on 30th January, a warehouseman, aged 44 years, "effusion into ventricles of brain, from privation." *Post mort. (Inquest.)*

STEPNEY; *Limehouse*.—At 5 Dalglish-place, on 2d February, a shipwright, aged 60 years, "sudden exhaustion, accelerated by want of nourishing food." *(Inquest.)*

WHITECHAPEL; *Mile End New Town*.—At 2 Princes-street, on 25th January, a shoe-maker, aged 72 years, "sudden effusion on brain, accelerated by poverty of living." *(Inquest.)*

In same sub-district.—At the Workhouse, on 27th January, a writer and grainer, aged 54 years, "starvation." *Post mort. (Inquest.)*

In same sub-district.—At the Workhouse, on 27th January, a labourer, aged 46 years, "sudden inflammation of lungs, accelerated by want." *Post mort. (Inquest.)*

The following deaths of 3 persons who were killed by horses or vehicles in the streets were recorded:—

A cow-keeper, aged 51 years, "fractured skull; fell from a cart." Died on 28th January in St. Bartholomew's Hospital. *Post mort. (Inquest.)*

A carpenter, aged 58 years, "fractured ribs; knocked down and run over by a Hansom cab." Died on 26th January in St. George's Hospital. *Post mort. (Inquest.)*

The wife of a money-taker at a theatre, aged 55 years, "concussion of brain and injuries to jaw, ribs, and lung by a waggon wheel." Died on 27th January in Guy's Hospital. *Post mort. (Inq.)*

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·648 in. The barometrical reading decreased from 29·99 in. at the beginning of the week to 29·47 in. on Friday, 4th February. The mean temperature of the air in the week was 42·0°, which is 4·1° above the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was 50·4° on Saturday, 5th February. The lowest night temperature was 27·0° on Sunday, 30th January. The entire range of temperature in the week was, therefore, 23·4°. The mean of the highest temperatures of the water of the Thames was 41·0°; that of the lowest was 38·9°. The difference between the mean dew-point temperature and air temperature was 3·7°. The mean degree of humidity of the air was 87, complete saturation being represented by 100. Rain fell to the amount of 0·25 in. The general direction of the wind was S.S.W., S., and S.S.E. A very fine display of aurora borealis was observed during the evening of Tuesday, 1st February.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 214,973 cubic metres, and at Barking 157,091 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FIFTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1943	2050	2020	2111	2078	2277	2171	2390	2364	2316	2172·0	2378
Males . .	1003	1049	1007	1123	1055	1175	1100	1237	1207	1134	1109·0	1172
Females .	940	1001	1013	988	1023	1102	1071	1153	1157	1182	1063·0	1206
TOTAL Deaths	1339	1544	1492	1354	1655	1773	1417	1628	1394	1631	1527·7	1823
Males . .	691	763	763	695	826	852	757	854	735	799	774·0	938
Females .	693	776	729	659	829	921	660	774	659	832	753·7	890

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	Nov. 13.	Nov. 20.	Nov. 27.	Dec. 4.	Dec. 11.	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.
TOTAL Deaths - - -	1689	1859	1676	1705	1759	1566	1357	1996	1697	1664	1652	1613	1828
Deaths under 5 years of age -	773	855	790	811	828	706	596	840	694	666	669	684	681
Deaths 5–20 - - -	184	169	141	173	133	127	120	157	105	115	109	125	134
Deaths 20–40 - - -	197	233	190	178	187	175	159	244	192	233	213	220	222
Deaths 40–60 - - -	215	246	249	243	260	237	212	297	256	271	254	255	332
Deaths 60–80 - - -	239	293	258	246	279	260	221	366	367	291	321	312	380
Deaths at 80 years & upwards	51	63	48	49	67	61	39	92	83	88	87	67	79
Deaths from Small-pox -	9	6	5	10	11	8	5	7	8	12	8	5	11
" " Measles - - -	31	50	50	40	35	26	31	59	30	40	41	28	23
" " Scarlet Fever -	218	208	219	245	209	186	123	159	134	114	143	118	107
" " Diphtheria -	10	7	7	4	8	8	7	9	5	8	8	7	5
" " Whooping-cough	69	69	70	63	71	62	65	57	67	58	55	67	79
" " Typhus fever -	10	13	11	13	7	12	8	12	4	13	12	7	14
" " Enteric (or Ty- phoid) fever -	14	27	23	18	14	16	14	18	13	14	12	17	9
" " Simple Contag. fever	15	14	11	18	19	16	16	21	18	23	15	11	12
" " Diarrhoea - -	21	29	20	19	13	14	14	22	19	13	15	8	17
" " Phthisis - - -	173	159	187	153	148	157	119	207	138	179	175	180	198
" " Bronchitis - -	227	265	250	272	259	208	185	305	295	233	242	277	316
" " Pneumonia - -	133	133	119	106	122	103	87	120	102	116	87	81	114
" " Heart Disease -	70	79	69	62	76	69	55	91	82	71	64	84	91
Mean Temperature of the Air	41·1	45·8	41·0	34·2	39·2	44·7	38·2	34·2	45·2	39·3	36·1	31·6	42·0
Mean Temperature of the Water of the Thames - }	44·0	44·3	43·1	39·7	36·3	40·0	41·6	33·4	39·5	41·0	39·1	37·7	39·9
Humidity of the Air - -	79	88	89	83	93	84	85	83	87	87	82	82	87
Rain-fall in inches - -	0·08	0·10	1·16	0·80	0·43	1·23	0·86	0·31	0·79	0·43	0·05	0·00	0·25

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow was kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 5th day of February 1870, in the following large Towns.

CITIES AND BOROUGHES.	Area in Hectares.	Estimated Population in the middle of the Year 1870.	Persons to a Hectare. (1870.)	BIRTHS registered during the Week ending 5th Feb.	DEATHS registered during the Week ending 5th Feb.	TEMPERATURE OF THE AIR (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTIGRADE.) Weekly Mean of the Daily Mean Values.	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centim.
Total of 20 TOWNS in the UNITED KINGDOM	86 922	7,216,325	83	5267	4258	59·8	23·0	41·2	5·11	0·37	0·9
LONDON - - -	31,563	3,214,707	102	2378	1823	50·4	27·0	42·0	5·56	0·25	0·6
PORTSMOUTH - -	3,849	122,084	32	66	40	59·8	27·0	46·3	7·95	0·93	2·3
NORWICH - - -	3,024	81,087	27	55	70	47·7	25·5	39·4	4·11	0·10	0·2
BRISTOL - - -	1,897	171,382	90	121	90	51·8	26·7	42·7	5·95	0·42	1·0
WOLVERHAMPTON -	1,371	72,990	53	59	39	48·5	32·8	42·5	5·84	0·29	0·7
BIRMINGHAM - -	3,168	369,604	117	242	188	48·5	24·8	40·8	4·89	0·74	1·8
LEICESTER - - -	1,295	97,427	75	51	43	50·5	25·0	40·5	4·72	0·50	1·2
NOTTINGHAM - -	808	88,888	110	55	68	48·0	25·1	39·2	4·00	0·41	1·0
LIVERPOOL - - -	2,067	517,567	250	417	352	51·6	31·4	41·5	5·28	0·36	0·9
MANCHESTER - - -	1,815	374,993	207	281	263	51·0	29·0	41·2	5·11	0·31	0·7
SALFORD - - -	2,093	121,580	58	99	84	51·7	28·3	42·3	5·73	0·28	0·7
BRADFORD - - -	2,667	143,197	54	87	75	48·0	23·0	40·2	4·55	0·21	0·5
LEEDS - - -	8,729	259,527	30	183	162	48·0	25·0	39·6	4·22	0·36	0·9
SHEFFIELD - - -	9,238	247,378	27	181	144	49·7	26·0	40·3	4·61	0·47	1·2
HULL - - -	1,441	130,869	91	90	63	—	—	—	—	—	—
SUNDERLAND - -	1,955	100,979	52	92	36	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	2,159	133,367	62	101	78	46·0	25·0	38·5	3·61	0·17	0·4
EDINBURGH - - -	1,791	178,970	100	111	113	46·7	25·0	39·8	4·34	0·10	0·25
GLASGOW - - -	2,049	468,189	228	376	315	47·3	31·5	41·0	5·00	0·40	1·0
DUBLIN - - -	3,943	321,540	82	192	207	53·5	28·0	43·3	6·28	0·27	0·69
PARIS - - -	7,802	1,889,842	242	—	1105	—	—	—	—	—	—
						Week ending 29th Jan. 1870.					
VIENNA - - -	3,728*	605,200	162	Week ending 29 Jan. 1870.	Week ending 327	—	—	21·0	-6·12	—	—
						Week ending 3d Feb. 1870.					
BERLIN - - -	6,253	702,437	112	667	395	—	—	25·3	-3·75	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS during the Week ending Saturday the 5th day of February 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON - . . .	30	1828	352	459	11	28	107	5	79	35	17	41	91	326	
PORTSMOUTH - . . .	17	40	8	11	-	2	3	-	-	4	-	1	2	3	
NORWICH - . . .	45	70	22	28	-	1	-	-	1	1	3	-	5	12	
BRISTOL - . . .	27	90	25	27	-	2	2	-	5	1	-	4	9	7	
WOLVERHAMPTON - . . .	28	39	4	10	-	-	-	1	1	1	1	3	6	7	
BIRMINGHAM - . . .	27	188	49	26	-	2	2	1	8	5	7	8	13	24	
LEICESTER - . . .	23	43	12	9	-	2	1	-	-	-	1	-	-	5	
NOTTINGHAM - . . .	40	68	7	26	-	-	7	-	1	1	-	1	6	12	
LIVERPOOL - . . .	35	352	93	97	-	2	16	1	4	14	3	34	40	67	
MANCHESTER - . . .	37	263	51	44	1	1	6	2	23	14	5	4	14	40	
SALFORD - . . .	36	84	18	11	2	-	1	1	12	1	3	2	5	6	
BRADFORD - . . .	27	75	17	18	-	-	6	-	5	2	-	1	4	5	
LEEDS - . . .	33	162	44	26	1	1	14	-	9	6	-	-	1	6	
SHEFFIELD - . . .	30	144	31	20	-	2	32	1	3	7	-	1	4	20	
HULL - . . .	25	63	14	9	-	1	11	-	1	2	-	2	4	2	
SUNDERLAND - . . .	19	36	12	7	-	-	-	1	2	2	-	1	3	8	
NEWCASTLE-ON-TYNE - . . .	31	78	21	13	-	-	4	-	5	2	-	2	3	12	
DUBLIN - . . .	34	207	41	57	-	1	10	1	2	9	5	2	1	75	

TABLE 5.—DEATHS in LONDON Registered in the FIFTH Week of the Year 1870.

USES OF DEATH.	Averages of the Fifth Week in the 10 years 1860-69.	In the Week ending Saturday, February 5, 1870.							CAUSES OF DEATH.	Averages of the Fifth Week in the 10 years 1860-69.	In the Week ending Saturday, February 5, 1870.						
		Deaths of Persons of the Ages									Deaths of Persons of the Ages						
		ALL AGES.	Under 20.		20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	Under 20.		20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
			Mean Tem.	%.								Mean Tem.	%.				
Mean Temperature -	42° 9	42° 0	0 - 5.	5 - 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature -	42° 9	42° 0	0 - 5.	5 - 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES -	1527·7	1828	681	134	222	332	380	79									
SPECIFIED CAUSES	1504·2	1820	676	134	222	331	378	79									
CONTAGIOUS DISEASES.																	
ORDER 1.																	
Small-pox -	22·4	11	5	3	3	-	-	-	9. Stricture of Intestines -	·7	1	-	-	-	-	1	-
Measles -	26·8	28	27	1	-	-	-	-	10. Fistula -	·3	2	-	-	-	-	-	-
Scarlet Fever (Scarlatina) -	42·1	107	68	36	3	-	-	-	11. Stomach Disease, &c. -	6·8	9	1	-	-	3	5	-
Diphtheria -	11·0	5	3	1	1	-	-	-	12. Pancreas Disease, &c. -	3·4	6	1	-	1	1	3	-
Whooping Cough -	18·8	13	12	1	-	-	-	-	13. Hepatitis -	3·5	3	1	-	-	1	1	-
Measles -	60·9	79	78	1	-	-	-	-	14. Jaundice -	12·8	16	-	-	3	7	6	-
Scarlet Fever (Scarlatina) -	57·0	14	1	4	6	3	-	-	15. Liver Disease, &c. -	·1	-	-	-	-	-	-	-
Whooping Cough -	57·0	9	2	4	2	1	-	-	16. Splenic Disease, &c. -								
Measles -	5·9	12	3	2	1	4	2	-	ORDER 5.								
Diphtheria -	3·8	3	-	-	3	-	-	-	1. Nephritis -	1·3	3	1	-	1	1	-	-
Whooping Cough -	1·4	2	1	-	-	-	-	-	2. Ischuria -	·4	-	-	-	-	-	-	-
Measles -	2·2	2	1	-	-	-	1	-	3. Bright's Disease (Nephria) -	8·9	11	-	3	2	4	2	-
Whooping Cough -	1·5	-	-	-	-	-	-	-	4. Diabetes -	2·2	2	-	-	1	1	-	-
Scarlet Fever (Scarlatina) -	15·8	17	9	1	2	-	4	1	5. Calculus (Stone) -	·6	-	-	-	-	-	-	-
Diphtheria -	1·6	1	1	-	-	-	-	-	6. Cystitis -	·7	1	-	-	-	-	1	-
Whooping Cough -	10·1	7	-	1	3	3	-	-	7. Kidney Disease, &c. -	6·5	9	-	-	-	6	3	-
Measles -	-	-	-	-	-	-	-	-	ORDER 6.								
Whooping Cough -	-	-	-	-	-	-	-	-	1. Ovarian Dropsy -	·9	2	-	-	-	2	-	-
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	2. Uterus Disease, &c. -	3·0	6	-	-	3	2	1	-
Whooping Cough -	-	-	-	-	-	-	-	-	ORDER 7.								
Measles -	-	-	-	-	-	-	-	-	1. Synovitis (Arthritis) -	-	-	-	-	-	-	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	2. Joint Disease, &c. -	5·7	5	-	5	-	-	-	-
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	ORDER 8.								
Whooping Cough -	-	-	-	-	-	-	-	-	1. Phlegmon -	1·9	4	1	2	-	-	1	-
Measles -	-	-	-	-	-	-	-	-	2. Ulcer -	1·0	-	-	-	-	-	-	-
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	3. Skin Disease, &c. -	1·2	-	-	-	-	-	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	IV. DEVELOPMENTAL DISEASES.								
Measles -	-	-	-	-	-	-	-	-	ORDER 1.								
Whooping Cough -	-	-	-	-	-	-	-	-	1. Premature Birth -	19·9	24	24	-	-	-	-	-
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	2. Cyanosis -	1·9	2	2	-	-	-	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	3. Spina Bifida -	1·3	2	2	-	-	-	-	-
Measles -	-	-	-	-	-	-	-	-	4. Other Malformations -	2·2	2	2	-	-	-	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	5. Teething -	20·3	22	22	-	-	-	-	-
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	ORDER 2.								
Whooping Cough -	-	-	-	-	-	-	-	-	1. Paramenia -	·1	-	-	-	-	-	-	-
Measles -	-	-	-	-	-	-	-	-	2. Childbirth (see Puerperal Fever) -	5·4	4	-	-	3	1	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	ORDER 3.								
Measles -	-	-	-	-	-	-	-	-	1. Old Age -	68·2	90	-	-	-	-	47	43
Whooping Cough -	-	-	-	-	-	-	-	-	ORDER 4.								
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	1. Atrophy and Debility -	55·4	69	58	2	-	2	7	-
Whooping Cough -	-	-	-	-	-	-	-	-	V. VIOLENT DEATHS, &c.								
Measles -	-	-	-	-	-	-	-	-	ORDER 1.								
Whooping Cough -	-	-	-	-	-	-	-	-	(ACCIDENT OR NEGLIGENCE.)								
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	1. Fractures and Contusions -	12·8	16	-	2	4	7	3	-
Whooping Cough -	-	-	-	-	-	-	-	-	2. Wounds -	·6	-	-	-	-	-	-	-
Measles -	-	-	-	-	-	-	-	-	3. Burns and Scalds -	9·9	8	5	1	-	1	1	-
Whooping Cough -	-	-	-	-	-	-	-	-	4. Poison -	1·1	2	1	-	-	1	-	-
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	5. Drowning -	3·9	3	-	1	-	1	1	-
Whooping Cough -	-	-	-	-	-	-	-	-	6. Suffocation -	7·8	7	7	-	-	-	-	-
Measles -	-	-	-	-	-	-	-	-	7. Otherwise -	1·7	3	2	1	-	-	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	ORDER 3.								
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	(HOMICIDE.)								
Whooping Cough -	-	-	-	-	-	-	-	-	1. Murder and Manslaughter -	2·9	1	1	-	-	-	-	-
Measles -	-	-	-	-	-	-	-	-	ORDER 4.								
Whooping Cough -	-	-	-	-	-	-	-	-	(SUICIDE.)								
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	1. Wounds { Gunshot -	·1	-	-	-	-	-	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	2. Poison -	·5	-	-	-	-	-	-	-
Measles -	-	-	-	-	-	-	-	-	3. Drowning -	·8	1	-	-	-	1	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	4. Hanging -	1·4	-	-	-	-	-	-	-
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	5. Otherwise -	·5	-	-	-	-	-	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	ORDER 5.								
Measles -	-	-	-	-	-	-	-	-	(EXECUTION.)								
Whooping Cough -	-	-	-	-	-	-	-	-	1. Hanging -	-	-	-	-	-	-	-	-
Scarlet Fever (Scarlatina) -	-	-	-	-	-	-	-	-	Violent Deaths (not classed)	·2	-	-	-	-	-	-	-
Whooping Cough -	-	-	-	-	-	-	-	-	Sudden Deaths (Cause unascertained)	3·5	1	-	-	-	1	-	-
Measles -	-	-	-	-	-	-	-	-	Causes not specified or ill-defined	20·0	7	5	-	-	-	2	-
Whooping Cough -	-	-	-	-	-	-	-	-									

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Burials during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON		2,803,989	2378	1828	352	459	11	23	107	5	79	14	9	12	17	41	91	326	
WEST DISTRICTS		458,125	873	313	50	85	-	5	11	1	9	1	-	1	2	6	14	73	
NORTH DISTRICTS		618,210	491	392	74	115	6	4	25	3	9	4	3	5	2	7	13	80	
CENTRAL DISTRICTS		383,321	220	169	31	49	1	1	7	-	4	1	1	1	1	9	17	47	
EAST DISTRICTS		571,158	543	373	85	90	2	8	21	-	24	4	2	4	3	8	30	62	
SOUTH DISTRICTS		773,175	751	546	112	120	2	10	43	1	33	4	3	1	9	11	17	64	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	38	27	6	12	-	-	1	-	-	-	-	-	-	1	1	3	
St. John Paddington H		36769	11	16	3	1	-	2	1	-	-	-	-	-	-	-	4	6	
Kensington Town W		61910	75	45	6	14	-	1	2	-	2	-	-	-	-	-	6	7	
Brompton H		18198	9	22	2	4	-	-	-	1	1	-	-	-	1	1	-	-	
St. Peter Hammersmith		5415	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith		19104	25	17	3	5	-	-	1	-	-	-	-	-	-	-	3	-	
Fulham W		15539	33	12	-	2	-	-	-	-	1	-	-	-	-	-	-	4	
Chelsea South H		21654	13	12	4	2	-	-	1	-	2	-	-	1	-	1	1	2	
Chelsea North-west HW		19899	16	25	6	12	-	-	-	-	-	-	-	-	1	-	1	18	
Chelsea North-east		21886	12	14	-	7	-	-	-	-	-	-	-	-	-	-	1	-	
Hanover Square		19773	9	5	1	-	-	2	1	-	1	-	-	-	-	-	-	-	
May Fair W		12885	6	7	-	3	-	-	1	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	42	33	3	6	-	-	1	-	1	1	-	-	-	1	1	11	
St. John Westminster		37483	35	31	10	9	-	-	-	-	1	-	-	-	-	-	-	2	
St. Margaret Westminster WH		30730	13	19	4	2	-	-	1	-	-	-	-	-	-	1	1	9	
St. James's Square		10753	6	7	-	2	-	-	-	-	-	-	-	-	-	1	1	-	
Golden Square W		13966	5	11	1	3	-	-	1	-	-	-	-	-	-	-	-	4	
Berwick-street		10607	11	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17426	12	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		20952	13	13	1	5	-	-	1	-	-	-	-	-	-	-	-	4	
Cavendish Square		15090	7	9	1	4	-	-	-	1	-	-	-	-	-	-	-	-	
Rectory Marylebone W		26562	20	32	5	14	-	1	1	-	-	-	-	-	-	-	-	17	
St. Mary Marylebone		22493	21	11	-	4	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch Marylebone		34913	22	13	3	-	-	1	1	-	-	-	1	-	-	-	-	-	
St. John Marylebone		32540	12	17	5	8	-	-	1	-	-	-	-	-	-	-	1	-	
Hampstead W		19106	8	11	2	6	-	-	-	-	1	-	-	-	-	-	-	1	
Regent's Park Pancras		34927	30	18	3	5	1	-	1	-	-	-	-	-	-	-	-	-	
Tottenham-court WH		29371	18	19	4	5	-	-	1	2	-	-	-	-	-	1	-	9	
Gray's Inn Lane H		27808	18	17	-	4	-	1	2	-	3	-	-	-	-	-	-	-	
Somers Town		33099	26	12	2	3	-	-	1	-	-	-	-	-	-	1	4	-	
Camden Town W		23266	23	16	2	7	-	-	1	-	-	-	-	-	-	1	3	6	
Kentish Town		44317	40	30	3	11	1	1	4	-	1	-	-	-	-	1	3	-	
Islington West* WHH		75442	79	79	16	18	4	-	3	-	4	1	5	1	3	-	-	29	
Islington East W		79899	73	47	11	8	-	5	1	3	-	-	-	-	-	-	-	6	
Stoke Newington		8603	3	5	1	1	-	-	1	-	-	-	-	-	-	-	-	-	
Stamford Hill		5483	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	20	10	4	2	-	-	1	-	-	-	-	-	-	-	-	-	
Hackney WHW		31481	31	27	9	9	-	-	1	-	-	-	-	-	-	-	1	8	
South Hackney L		15453	16	6	2	1	-	-	-	-	1	-	-	-	-	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	9	9	1	3	-	-	-	-	-	-	-	-	-	-	1	-	
St. Giles South W		19483	11	15	-	3	-	-	-	-	-	-	-	-	-	-	-	11	
St. Giles North		17201	7	6	1	1	-	-	-	-	1	-	-	-	-	-	-	-	
Long Acre		11618	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH		11071	3	14	1	3	-	-	-	-	-	-	-	-	-	1	1	11	
St. Mary-le-Strand		10346	6	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		15207	11	5	2	-	-	-	-	-	-	-	-	-	-	1	1	1	
St. George-the-Martyr H		19963	10	12	1	5	-	-	2	-	-	-	-	-	-	-	-	-	
St. Andrew East Holborn W		12947	13	13	1	2	-	1	-	1	-	-	-	-	-	-	-	6	
Saffron Hill		12012	3	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
St. James Clerkenwell W		19152	18	14	2	7	-	-	-	-	-	-	-	-	-	-	1	3	
Amwell Clerkenwell		17250	10	7	2	-	-	1	-	-	-	-	1	-	-	-	-	-	
Pentonville		13079	13	7	2	2	-	-	1	-	-	-	-	-	-	-	1	-	
Goswell-street		16200	15	9	2	5	-	-	-	-	-	-	-	-	-	-	-	-	
Old-street		11574	13	7	3	1	-	-	-	-	3	-	-	-	-	-	-	-	
City-road HL		17860	21	10	2	-	-	-	-	-	-	-	-	-	-	-	1	1	
Whitecross-street		14778	9	8	3	-	-	-	-	-	-	-	-	-	-	1	3	-	
Finsbury		12931	8	5	1	1	-	-	1	-	1	-	-	-	-	-	-	-	
St. Botolph East London		20990	8	4	-	3	-	-	-	-	-	-	-	-	-	-	1	-	
Cripplegate		19637	6	8	1	2	1	-	-	-	-	-	1	-	-	-	-	-	
St. Sepulchre WH		11750	4	18	2	3	-	-	-	-	-	1	-	-	-	6	7	14	
St. Bride		15395	6	5	2	-	-	-	2	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9020	2	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	3	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking		8659	1	4	-	1	-	-	-	-	1	-	-	-	-	-	-	-	
Broad Street		11514	3	3	1	1	-	-	-	-	-	-	-	-	1	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
tuesday, 5th February 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.		
EAST DISTRICTS.																				
St. Mary Shoreditch	-	17313	3	7	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch	L†	19188	11	19	3	5	-	-	-	-	-	-	-	-	-	-	-	4	4	-
Hoxton New Town	w	26516	34	23	6	6	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Hoxton Old Town	-	25777	15	10	3	2	-	-	-	1	-	-	-	-	-	-	-	1	1	-
Aggerstone West	W	23260	28	21	5	7	-	-	-	-	-	-	-	-	-	-	-	1	5	5
Aggerstone East	-	17310	15	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hackney-road	-	26298	36	19	4	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green	WHL†	81789	43	32	4	12	1	-	-	5	-	-	-	-	-	-	-	-	-	12
Church, Bethnal Green	-	25523	29	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green	-	21486	24	12	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Artillery Whitechapel	-	6557	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hopitalfields	-	15700	21	9	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Mill End New Town	W	15392	20	17	3	4	-	-	-	-	-	-	-	-	-	-	-	3	3	10
Whitechapel North	-	12122	6	9	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church	H	8862	6	9	1	1	-	-	-	-	-	-	-	-	-	-	-	2	3	5
Goodman's Fields	-	11166	11	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Edgate	-	9971	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary St. George East	-	18181	13	15	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul St. George East	-	21015	20	7	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
St. John St. George East	W	9695	7	8	-	3	-	-	-	1	-	-	-	-	-	-	-	1	6	-
Madwell	W	12637	2	12	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1
St. Paul	W	16874	12	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Whitehouse	W	27161	25	13	4	2	-	-	-	1	-	-	-	-	-	-	-	1	3	-
Mill End Old Town West	-	33747	18	11	2	5	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Mill End Old Town East	Ww	59317	41	39	8	9	-	-	-	1	-	-	-	-	-	-	-	2	5	-
Low WwL†	-	35667	62	37	5	10	-	-	-	3	2	-	-	-	-	-	-	4	4	7
Poplar	W	43529	85	29	7	4	1	-	-	1	3	-	-	-	-	-	-	1	3	4
SOUTH DISTRICTS.																				
Christchurch Southwark	W	17069	13	9	1	5	-	-	-	1	-	-	-	-	-	-	-	-	-	3
St. Saviour Southwark	H	19101	4	6	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
St. Andrew-road	-	19652	17	14	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew-road	W	16668	5	18	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	7
London road	L	19190	16	14	1	1	-	-	-	-	-	-	-	-	-	-	-	1	2	1
St. Trinity Newington	-	22675	21	14	2	1	1	-	-	1	-	-	-	-	-	-	-	-	1	-
St. Peter Walworth	W	44463	35	37	7	6	-	-	-	1	5	-	-	-	-	-	-	1	1	4
St. Mary Newington	H	15082	10	5	1	-	-	-	-	1	-	-	-	-	-	-	-	2	2	2
St. Olave Southwark	H	7663	4	12	1	3	-	-	-	-	-	-	-	-	-	-	-	3	3	9
St. John Horsleydown	W	11393	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
St. Leather Market	-	16856	15	5	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Mary Magdalen	W	16505	14	9	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
St. James Bermondsey	-	25154	47	25	6	4	1	1	6	-	-	-	-	-	-	-	-	-	-	-
St. Peterhithe	W	24502	21	14	2	3	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Waterloo-road 1st	-	15269	15	8	2	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Waterloo-road 2nd	-	18610	21	15	1	3	-	-	-	-	-	-	-	-	-	-	-	1	1	-
St. Lambeth Church 1st	-	19839	17	11	5	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
St. Lambeth Church 2nd	W	29542	44	28	5	12	-	-	-	1	2	-	-	-	-	-	-	-	-	9
St. Kennington 1st	-	30735	35	26	3	5	-	-	-	-	2	-	-	-	-	-	-	1	-	-
St. Kennington 2nd	-	29440	9	15	7	3	-	-	-	-	1	-	-	-	-	-	-	-	1	-
St. Rixton	-	20067	24	10	3	-	-	-	-	1	1	-	-	-	-	-	-	2	-	-
St. Norwood	W	7462	5	5	3	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-
St. Ephraim	-	20894	24	9	3	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Eusebia	Ww	10930	48	28	6	8	-	-	-	1	-	-	-	-	-	-	-	-	-	4
St. Wandsworth	L	13346	13	19	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	5
St. Putney	-	6481	8	8	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Treatham	-	10982	4	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Dulwich	-	1723	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Camberwell	WHL†	21297	25	17	3	6	-	-	-	1	-	-	-	-	-	-	-	-	-	3
St. Eekham	-	28135	38	22	4	6	-	-	-	-	2	-	-	-	-	-	-	-	-	-
St. George Camberwell	-	20333	27	19	2	5	-	-	-	-	4	-	-	-	-	-	-	-	-	-
St. Paul Deptford	-	37834	43	23	11	2	-	-	-	1	2	-	-	-	-	-	-	-	-	-
St. Nicholas Deptford	-	8139	3	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Greenwich West	H	21696	16	12	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2
St. Greenwich East	WH	18506	16	9	3	2	-	-	-	1	-	-	-	-	-	-	-	1	1	4
St. Altham	-	3009	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Lee	-	11003	9	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Lewisham Village	W	7372	6	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
St. Lydenham	-	10595	16	9	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Charlton	-	9276	4	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Woolwich Dockyard	H	22919	11	10	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Woolwich Arsenal	H	18776	13	14	1	2	-	-	-	1	2	-	-	-	-	-	-	-	-	-
St. Plumstead West	-	8	9	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Plumstead East	-	21502	9	8	4	-	-	-	-	1	-	-	-	-	-	-	-	1	1	1

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " " Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and
London City " " " Islington East.	Stepney " " Bow sub-district.
Do. do. " " " Hackney sub-district.	Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		HEADINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.					
Phases of Moon.	Mean daily reading as reduced to 32 deg. F. (betd).	Dry.				Dew Point.		Highest in the sun, as indicated by a self-registering thermometer blackened bulb in vacuo, placed on the Grass.		Lowest in the sun, as indicated by a self-registering thermometer blackened bulb in vacuo, placed on the Grass.		In the Water of Greenwich, by self-registering Thermometers.		Between Dew Point and Temperature		Between mean temperature of the day and the measure of the same day on an average of 50 years.*		Degree of midday, saturation and reduction by 100.		As deduced from Anemometers.		Collected in a Gauge whose receiving surface is above the ground.	Rain.				
		High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.			Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.
JANUARY.																											
SUNDAY . 30	29-826	44-9	27-0	17-9	36-5	28-2	31-7	19-5	39-9	37-4	8-3	10-8	4-4	- 1-6	71	SE.	SSE.	0-0	0-3	263	0-0	0-1	Inches	5			
MONDAY . 31	New	29-571	43-7	38-1	5-6	40-7	38-9	43-7	31-8	40-4	1-8	3-2	0-0	+ 2-8	93	SSE.	S. & SSW.	0-0	0-4	333	0-0	0-7	3				
FEBRUARY.																											
TUESDAY . 1	..	29-830	47-5	37-0	10-5	42-0	38-7	59-0	31-3	40-4	3-3	7-1	0-5	+ 4-2	88	SSW.	SSW.	0-0	0-4	359	0-0	0-1	3				
WEDNESDAY . 2	..	29-541	43-8	42-2	1-6	43-1	40-7	48-1	38-8	41-4	2-4	2-9	1-1	+ 5-4	91	S. by W.	S. by W. & S.	0-0	1-1	433	0-0	0-7	7				
THURSDAY . 3	..	29-602	48-9	42-7	6-2	44-6	42-1	61-1	40-0	41-4	2-5	4-0	0-7	+ 6-8	91	S.	SSW. & S.	0-0	0-0	205	0-0	0-2	4				
FRIDAY . 4	In	29-495	49-2	41-9	7-3	44-8	40-1	57-2	38-0	42-4	4-7	8-4	1-5	+ 6-8	84	S. & SSE.	S.	0-0	0-2	257	0-0	0-2	5				
SATURDAY . 5	Equator	29-669	50-4	38-0	12-4	42-6	39-7	90-0	38-1	..	2-9	7-3	0-0	+ 4-3	89	SSE. & SSW.	S. & SSW.	0-0	0-0	195	0-0	0-6	3				
MEANS . .																											
..	29-648	46-9	38-1	8-8	42-0	38-8	63-0	33-2	(6 days) 41-0	(6 days) 38-9	3-7	6-2	1-2	+ 4-1	87	SSW, S, & SSE.	..	..	..	Sum 2045	Sum 2045	Sum 2045	4-3	
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26				
No. of Columns.																											

NOTES.

The height of the cistern of the barometer is considered to be 153 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's fifth glass standard barometer. The observations are taken at 9h. a.m.; 11h. a.m.; 1h. p.m.; and 9h. p.m. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and bulb thermometer by Glaisher's Hygrometrical Tables, Fourth edition. The results of the mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m., as well as the results deduced from the maximum and minimum thermometers, as determined by self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1803, December 31. *In reading the 17th column it will be borne in mind that + is read "higher," and — "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship, viz. at the beginning of the week to 29° 51 in., and the reading of the barometer increased to 29° 86 in. by noon on 1st February; decreased to 29° 51 in. by 3h. p.m. on the 2d; increased to 29° 65 in. by 9h. p.m. on the 3d; increased to 29° 47 in. by 3h. p.m. on the 4th; was nearly stationary till after 9h. p.m.; and increased to 29° 49 in. by the end of the week.

SKY AND ATMOSPHERE.

Generally cloudless. A very fine day. A large deposit of hoarfrost during the morning. Auroral light seen at night.

Overcast till night, and rain fell occasionally; cloudless at night.

Generally fine; partially cloudy. A little rain fell in the early morning hours. A very fine display of aurora borealis during the evening.

Generally overcast. Rain fell occasionally.

Overcast. Rain fell in the morning.

Partially cloudy. A shower of rain fell during the early morning hours.

Overcast during the morning, and rain fell; very fine, and partially cloudy throughout the remainder of the day..

ELECTRICITY.

JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.																																											
SUNDAY	30	MONDAY	31	TUESDAY	1	WEDNESDAY	2	THURSDAY	3	FRIDAY	4	SATURDAY	5	SUNDAY	6	MONDAY	7	TUESDAY	8	WEDNESDAY	9	THURSDAY	10	FRIDAY	11	SATURDAY	12	SUNDAY	13	MONDAY	14	TUESDAY	15	WEDNESDAY	16	THURSDAY	17	FRIDAY	18	SATURDAY	19	SUNDAY	20	MONDAY	21	TUESDAY	22	WEDNESDAY	23	THURSDAY	24	FRIDAY	25	SATURDAY	26	SUNDAY	27	MONDAY	28	TUESDAY	29	WEDNESDAY	30	THURSDAY	31

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 6. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, FEBRUARY 12. [Price 1d.

*General Register Office, Somerset House,
14th February 1870.*

IN the week that ended on Saturday, 12th February, 4913 BIRTHS and 3748 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 27 per 1000 persons estimated to be living, against 29 and 31 in the two previous weeks.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow :—19 per 1000 in Hull, 21 in Wolverhampton, 22 in Nottingham, 22 in Salford, 24 in Leicester, 24 in Portsmouth, 25 in Birmingham, 26 in London, 27 in Sheffield, 28 in Norwich, 28 in Liverpool, 28 in Sunderland, 28 in Bradford, 29 in Newcastle-upon-Tyne, 31 in Leeds, 33 in Bristol, and, the highest rate during the week, 37 per 1000 in the city of Manchester. The frost which set in on Tuesday night the 8th instant did not unfavourably affect the death returns for the week ending last Saturday; indeed the deaths then registered in the 17 English towns, including London, showed a decline of 510 upon those returned in the previous week (ending 5th February), during which was recorded the increase of mortality resulting from the fortnight's low temperature at the end of January. The fatality from scarlet fever continues slowly to decline in our large towns. In the 17 English towns above mentioned, 192 deaths were referred to this disease last week, against 231 and 212 in the two previous weeks; there was a marked decline in the fatal cases of scarlet fever last week in Sheffield, while they were more numerous in Liverpool.

The deaths registered last week in Edinburgh were at the annual rate of 31 per 1000 persons living, in Glasgow 36 per 1000, and in Dublin 26.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 31 per 1000 persons living. Small-pox shows increased prevalence in that city, 66 fatal cases being reported last week, against 47 and 42 in the two previous weeks.

IN LONDON the BIRTHS of 1185 boys and 1104 girls, in all 2289 children, were registered last week. In the corresponding weeks of ten years 1860–69 the average number, corrected for increase of population, was 2417.

The DEATHS registered in LONDON during the week were 1568. It was the sixth week of the year; and the average number of deaths for that week was, with a correction for increase of population, 1598. The deaths in the present return are less by 30 than the estimated number.

The deaths from zymotic diseases were 292, the corrected average number being 338. Four deaths from small-pox, 23 from measles, 103 from scarlet fever, 3 from diphtheria, 65 from whooping-cough, 6 from typhus fever, 22 from enteric (or typhoid) fever, 5 from simple continued fever, and 11 from diarrhoea were registered.

Twelve deaths from scarlet fever were recorded in the West Districts, 27 in the North, 9 in the Central, 20 in the East, and 35 in the South Districts.

Measles and whooping-cough were most fatal in the South Districts.

The daughter of a warehouseman's assistant, aged 7 years, died on 8th February at 2 Andrew's-road, Hackney, from "typhoid fever (16 days)." The medical attendant remarks :—"The remains of an old cesspool close to the house. Water-but in bad condition. Closet not supplied with water."

The following deaths of 3 persons whose deaths were accelerated by privation were registered :—

ST. PANCRAS ; *Tottenham*.—At 9 Fitzroy-market, on 22d January, the widow of a clog maker, aged 67 years, “bronchitis, accelerated by want of the common necessities of life.” *Post mort.* (*Inquest.*)

PANCRAS ; *Camden Town*.—At the Workhouse, on 2d February, the widow of a labourer, aged 70 years, “epilepsy, accelerated by want.” *Post mort.* (*Inquest.*)

STEPNEY ; *Ratcliff*.—At the Workhouse, on 7th February, a seaman, aged 63 years, “sudden disease of heart, accelerated by want and exposure to cold.” *Post mort.* (*Inquest.*)

The deaths of 17 persons from relapsing fever, and of 15 persons whose deaths were either caused or accelerated by privation have been registered during the present year.

In this chill season the unusual number of recorded deaths from penury of various kinds, as well as the prevalent relapsing fever by some called famine fever, deserves the attention of the parish authorities, and of the Charity of London.

The deaths of 6 children from burns or scalds, of 9 infants from suffocation, and of 8 persons who committed suicide were recorded last week.

The deaths of 272 persons in Public Institutions of the Metropolis were registered ; of these 177 died in Workhouses, 2 in Military and Naval Asylums, 67 in General Hospitals, 14 in Hospitals for special diseases, 3 in Lying-in Hospitals, 2 in Hospitals and Asylums for Foreigners, and 7 in Lunatic Asylums.

A cabman, aged 41 years, died on 3d February in St. Mary's Hospital from “fracture of base of skull, caused by a fall from a horse.” *Post mort.* (*Inquest.*)

The deaths of 4 nonagenarians were recorded, the oldest was a widow, who attained the age of 99 years.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·800 in. The barometrical reading increased from 29·37 in. on Tuesday, 8th February, to 30·20 in. on Saturday, 12th February. The mean temperature of the air in the week was 32·4°, which is 6·3° below the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was 47·9° on Sunday, 6th February. The lowest night temperature was 19·4° on Friday, 11th February. The entire range of temperature in the week was, therefore, 28·5°. On Wednesday, 9th February, the lowest night temperature was 25·0° ; on Thursday, 10th February, 22·6° ; and on Saturday, 12th February, 20·3°. On Wednesday, 9th February, the mean temperature was 10·5° ; on Thursday, 10th February, 12·9° ; on Friday, 11th February, 13·9° ; and on Saturday, 12th February, 14·5° below the average. The mean of the highest temperatures of the water of the Thames was 39·1° ; that of the lowest was 36·6°. The difference between the mean dew-point temperature and air temperature was 7·9°. The mean degree of humidity of the air was 72, complete saturation being represented by 100. Rain fell to the amount of 0·25 in. The general direction of the wind was N.E. Auroral light was seen at night on Friday, 11th, and Saturday, 12th February.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 195,720 cubic metres, and at Barking 184,547 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the SIXTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1863	1869	Average of 10 Weeks.	1870
TOTAL Births	2021	2066	2197	2093	2005	2336	2315	2299	2397	2249	2197·8	2289
Males . .	1030	1067	1095	1055	1009	1171	1166	1173	1162	1152	1108·0	1185
Females .	991	999	1102	1038	996	1165	1149	1126	1235	1097	1089·8	1104
TOTAL Deaths	1442	1459	1384	1310	1647	1589	1316	1567	1394	1426	1453·4	1568*
Males . .	754	727	704	629	803	764	691	850	738	724	738·4	763
Females .	688	732	680	681	844	825	625	717	656	702	715·0	805

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Nov. 20.	Nov. 27.	Dec. 4.	Dec. 11.	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.
TOTAL Deaths - - -	1859	1676	1705	1759	1566	1357	1996	1697	1664	1652	1613	1828	1568*
Deaths under 5 years of age -	855	790	811	828	706	596	840	694	666	668	634	681	616
Deaths 5—20 - - -	169	141	178	138	127	130	157	105	115	109	125	134	117
Deaths 20—40 - - -	233	190	178	187	175	159	244	192	233	213	220	222	188
Deaths 40—60 - - -	246	249	243	260	237	212	297	256	271	254	255	332	279
Deaths 60—80 - - -	293	258	246	279	260	221	366	367	291	321	312	380	310
Deaths at 80 years & upwards	63	48	49	67	61	39	92	83	88	87	67	79	58
Deaths from Small-pox -	6	5	10	11	8	5	7	8	12	8	5	11	4
" " Measles - - -	50	50	40	35	26	31	59	30	40	41	28	28	23
" " Scarlet Fever -	208	219	245	209	186	123	159	134	114	143	118	107	103
" " Diphtheria - -	7	7	4	8	8	7	9	5	8	8	7	5	3
" " Whooping-cough	69	70	63	71	62	65	57	67	58	55	67	79	65
" " Typhus fever -	13	11	13	7	12	8	12	4	13	12	7	14	6
" " Enteric (or Ty- phoid) fever - }	27	23	18	14	16	14	18	13	14	12	17	9	22
" " Simple Cont'd fever	14	11	18	19	16	16	21	18	23	15	11	12	5
" " Diarrhœa - - -	29	20	19	13	14	14	22	19	13	15	8	17	11
" " Phthisis - - -	159	187	153	148	157	119	207	138	179	175	180	198	170
" " Bronchitis - -	265	250	272	259	208	185	305	295	233	242	277	316	265
" " Pneumonia - -	138	119	106	122	103	87	120	102	116	87	81	114	74
" " Heart Disease -	79	69	62	76	69	55	91	82	71	64	84	91	66
Mean Temperature of the Air	45·8	41·0	34·2	39·2	44·7	38·2	34·2	45·2	39·3	36·1	31·6	42·0	32·4
Mean Temperature of the Water of the Thames }	44·3	43·1	39·7	36·3	40·0	41·6	33·4	39·5	41·0	39·1	37·7	39·9	37·8
Humidity of the Air - -	88	89	83	93	84	85	83	87	87	82	82	87	72
Rain-fall in inches - -	0·10	1·16	0·80	0·43	1·23	0·86	0·31	0·79	0·48	0·05	0·00	0·25	0·25

* The returns for the sub-districts of Spitalfields and Rotherhithe were not received when the Tables were under preparation, but averages of 7 and 13 respectively, derived from the returns of six previous weeks, are substituted for the true numbers, which are 8 for the sub-district of Spitalfields and 12 for the sub-district of Rotherhithe.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereith, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Pilliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 12th day of February 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Hectares.	Estimated Population in the middle of the Year 1870.	Persons to a Hectare. (1870.)	BIRTHS registered during the Week ending 12th Feb.	DEATHS registered during the Week ending 12th Feb.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)		RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	Cm.	
Total of 20 TOWNS in the UNITED KINGDOM - - -	86,922	7,216,325	83	4913	3748	57°0	15°0	33°0	0°56	0°82	2	
LONDON - - -	31,563	3,214,707	102	2289	1568	47°9	19°4	32°4	0°22	0°25	0	
PORTSMOUTH - - -	3,849	122,084	32	74	56	55°1	19°8	34°8	1°56	1°31	3	
NORWICH - - -	3,024	81,087	27	55	43	44°0	21°0	30°8	-0°66	0°49	1	
BRISTOL - - -	1,897	171,332	90	104	108	48°3	19°6	33°0	0°56	1°07	2	
WOLVERHAMPTON -	1,371	72,990	53	48	29	46°2	17°9	31°9	-0°06	1°24	3	
BIRMINGHAM - - -	3,168	369,604	117	232	174	46°4	18°1	32°3	0°17	1°39	3	
LEICESTER - - -	1,295	97,427	75	75	44	45°2	20°0	31°0	-0°56	1°33	3	
NOTTINGHAM - - -	808	88,888	110	44	37	48°9	20°8	33°8	1°01	0°74	1	
LIVERPOOL - - -	2,067	517,567	250	342	276	47°5	22°5	32°8	0°45	0°48	1	
MANCHESTER - - -	1,815	374,993	207	269	232	—	—	—	—	—	—	
SALFORD - - -	2,093	121,580	58	88	52	48°0	20°2	33°9	1°06	0°16	0	
BRADFORD - - -	2,667	143,197	54	94	78	47°6	21°4	32°0	0°00	0°55	1	
LEEDS - - -	8,729	259,527	30	178	152	48°0	21°0	33°9	1°06	0°68	1	
SHEFFIELD - - -	9,238	247,378	27	192	128	46°0	18°7	31°9	-0°06	1°03	2	
HULL - - -	1,441	130,869	91	76	48	44°0	15°0	30°6	-0°77	1°17	2	
SUNDERLAND - - -	1,955	100,979	52	75	54	—	—	—	—	—	—	
NEWCASTLE-ON-TYNE	2,159	133,367	62	97	75	44°0	25°0	31°9	-0°06	0°93	2	
EDINBURGH - - -	1,791	178,970	100	105	107	48°0	24°0	34°6	1°45	0°40	1	
GLASGOW - - -	2,049	468,189	228	348	325	46°5	24°5	35°0	1°67	0°92	2	
DUBLIN - - -	3,943	321,540	82	128	162	57°0	28°0	37°0	2°78	0°66	1	
PARIS - - -	7,802	1,889,842	242	—	1139	—	—	—	—	—	—	
				Week ending 5 Feb. 1870.	Week ending 5 Feb. 1870.	Week ending 5th February 1870.						
VIENNA - - -	3,728*	605,200	162	—	—	—	—	—	—	—	—	
				Week ending 10 Feb. 1870.	Week ending 10 Feb. 1870.	Week ending 10th February 1870.						
BERLIN - - -	6,253	702,437	112	—	—	—	—	—	—	—	—	

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS during the Week ending Saturday the 12th day of February 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include										
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.
LONDON - - -	26	1568	327	368	4	23	103	3	65	33	11	39	88
PORTSMOUTH - - -	24	56	15	7	—	6	4	—	3	3	1	—	2
NORWICH - - -	23	43	8	17	—	—	1	—	1	—	—	2	5
BRISTOL - - -	33	108	28	29	—	3	7	—	2	1	1	3	4
WOLVERHAMPTON -	21	29	9	6	—	1	1	2	—	—	—	1	—
BIRMINGHAM - - -	24	174	51	28	—	4	3	2	4	6	3	9	19
LEICESTER - - -	24	44	7	12	—	—	1	—	—	—	—	—	2
NOTTINGHAM - - -	22	37	6	5	—	—	3	—	3	2	—	—	3
LIVERPOOL - - -	28	276	64	63	—	4	25	4	7	4	5	10	15
MANCHESTER - - -	32	232	47	26	—	2	3	1	15	13	3	6	8
SALFORD - - -	22	52	13	10	—	—	—	—	8	1	—	2	3
BRADFORD - - -	28	78	21	15	—	—	7	—	3	6	1	2	—
LEEDS - - -	31	152	41	27	—	—	13	—	11	3	3	3	6
SHEFFIELD - - -	27	128	34	26	1	3	9	—	5	7	1	2	7
HULL - - -	19	48	5	4	—	—	10	—	—	2	—	—	1
SUNDERLAND - - -	28	54	19	8	—	—	—	1	4	3	—	1	2
NEWCASTLE-ON-TYNE	29	75	17	10	—	—	2	—	8	4	1	4	6
DUBLIN - - -	26	162	23	37	—	2	4	—	2	7	4	4	5

TABLE 5.—DEATHS in LONDON Registered in the SIXTH Week of the Year 1870.

† Averages of 20 are added without distinction of ages. See note *, page 45.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.*	Violence.	Inquest Cases.	In Public Insti- tutions.
REGISTRARS' SUB-DISTRICTS.																		
LONDON		2,803,989	2289	1568	327	368	4	23	103	3	65	6	22	5	11	39	88	27
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	33	22	1	8	-	-	2	-	-	-	-	1	1	-	-	5
St. John Paddington H		36769	26	15	1	4	-	-	-	-	1	-	-	-	-	2	-	6
Kensington Town W		51910	50	38	7	16	-	-	3	-	-	-	1	-	1	1	3	3
Brompton H		18198	11	12	1	2	-	-	-	-	-	-	-	-	-	-	-	4
St. Peter Hammersmith		5415	4	3	2	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith		19104	33	20	6	1	-	-	1	-	-	-	-	-	-	-	-	1
Fulham W		15539	16	14	6	1	-	-	-	-	2	-	-	-	-	1	1	2
Chelsea South H		21654	13	11	3	5	-	-	-	-	-	-	1	-	-	-	-	1
Chelsea North-west HW		19899	17	16	3	3	-	-	2	-	3	-	1	-	-	-	-	1
Chelsea North-east		21886	11	10	5	2	-	-	-	-	1	-	1	-	-	-	1	8
Hanover Square		19773	4	9	4	2	-	-	-	-	1	-	-	-	-	1	2	-
May Fair W		12885	5	2	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Belgrave H		55113	37	31	6	6	-	-	-	-	2	-	2	-	-	4	4	6
St. John Westminster		37483	23	22	5	3	-	-	2	-	-	1	-	-	-	-	1	-
St. Margaret Westminster WH		30730	26	29	10	8	-	-	-	-	-	-	-	-	1	-	2	13
St. James's Square		10753	9	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Golden Square W		13966	8	13	2	6	-	-	-	-	-	-	-	-	-	-	-	9
Berwick-street		10607	7	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Anne Soho		17425	10	13	5	3	-	-	-	-	-	1	-	-	-	-	3	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	14	19	2	5	-	-	-	-	-	-	-	-	-	2	3	7
Cavendish Square		15090	7	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W		26692	13	22	3	7	-	-	-	-	-	1	-	-	-	-	2	10
St. Mary Marylebone		22493	26	6	-	1	-	-	2	-	-	-	-	-	-	-	-	-
Christchurch Marylebone		34913	23	16	3	5	-	-	-	-	1	-	-	-	-	-	3	-
St. John Marylebone		32540	16	8	2	2	-	-	-	-	-	-	-	-	-	-	1	-
Hampstead W		19106	26	8	3	1	-	-	1	-	1	-	-	-	-	-	1	-
Regent's Park Pancras		34927	21	21	5	4	1	-	1	-	-	-	-	-	1	-	2	-
Tottenham-court WH		29371	14	25	4	9	-	-	2	-	-	-	-	-	-	-	3	10
Gray's Inn Lane H		27803	19	15	2	7	-	-	2	1	-	-	-	-	-	2	3	-
Somers Town		39099	24	15	1	3	-	-	1	-	-	-	-	-	-	-	1	-
Camden Town W		23266	16	21	1	14	-	-	-	-	-	-	-	-	-	1	3	18
Kentish Town		44317	51	25	7	6	-	-	1	3	-	-	-	-	-	-	-	-
Islington West* WHH		75442	61	44	9	11	2	-	4	1	3	1	3	1	-	3	4	15
Islington East W		79839	80	49	9	11	-	-	5	-	-	-	-	-	-	-	-	3
Stoke Newington		6608	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill		5433	7	3	2	-	-	-	-	-	1	-	-	-	-	-	-	-
West Hackney		24245	22	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Hackney WH		31481	32	23	3	9	-	-	1	-	1	-	-	-	-	-	1	11
South Hackney L		15453	18	8	-	2	-	-	1	-	-	-	1	-	-	-	1	1
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	16	6	1	1	-	-	2	-	-	-	-	-	-	-	-	-
St. Giles South W		19483	19	14	4	3	-	-	-	-	-	-	-	-	-	-	-	2
St. Giles North		17201	11	7	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Long Acre		11618	6	4	1	1	-	-	-	-	1	-	-	-	-	-	-	-
Charing Cross WH		11071	9	10	1	5	-	-	-	-	1	-	-	-	-	-	-	5
St. Mary-le-Strand		10346	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H		15207	7	8	1	-	-	-	1	-	-	-	-	-	-	-	-	-
St. George-the-Martyr H		19903	10	10	-	2	-	-	1	-	2	-	-	-	-	-	-	-
St. Andrew East Holborn W		12947	18	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Saffron Hill		12012	4	8	-	-	-	-	1	-	-	-	-	-	1	-	-	5
St. James Clerkenwell W		19152	19	10	-	4	-	-	-	-	-	-	1	-	-	-	-	-
Amwell Clerkenwell		17250	12	5	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Fentonville		12079	15	5	2	-	-	-	1	-	-	-	-	-	-	-	-	-
Goswell-street		16200	9	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Old-street		11504	9	9	4	2	-	-	2	-	-	-	-	-	-	-	-	-
City-road HL		17860	24	12	4	1	1	1	1	1	1	-	-	-	-	-	-	3
Whitecross-street		14778	10	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Finsbury		12931	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph East London		20990	12	4	2	-	-	-	-	-	-	-	-	-	-	1	1	-
Cripplegate		19637	12	11	3	2	-	-	-	-	-	-	1	-	-	-	-	-
St. Sepulchre WH		11750	3	18	2	-	-	-	-	-	-	1	-	-	-	-	1	12
St. Bride		15395	6	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Castle Baynard		7762	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9023	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	1	3	1	-	-	-	-	-	-	-	-	-	-	1	2	-
Alhambra Barking		8559	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street		11644	5	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

OVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 Saturday, 12th February 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Deaths during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																		
Polyley Shoreditch	-	17313	10	6	2	2	-	-	-	-	-	-	1	-	-	-	1	-
Leonard Shoreditch	L†	19188	17	12	1	2	-	1	-	-	-	-	1	-	-	-	1	2
oxton New Town	W	26516	15	3	-	-	-	-	2	-	-	1	-	-	-	-	-	-
oxton Old Town	-	26777	25	12	4	1	-	-	-	-	3	-	-	-	-	-	-	-
aggerstone West	W	23260	24	19	2	7	-	-	3	-	-	-	-	-	-	-	-	-
aggerstone East	-	17310	7	6	1	-	-	-	3	-	-	-	-	-	-	-	-	-
ackney-road	-	26298	33	19	7	4	-	-	-	-	1	-	-	-	-	-	-	-
reen, Bethnal Green	WHL†	31789	37	20	9	3	-	-	-	-	3	-	-	-	-	-	-	2
urch, Bethnal Green	-	25528	17	11	2	3	-	-	2	-	-	-	-	-	-	-	-	-
own, Bethnal Green	-	21486	15	9	-	3	-	-	-	-	-	-	1	-	-	-	-	-
rtillery Whitechapel	-	8557	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
italfields	-	15700	12*	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ile End New Town	W	15392	14	9	3	2	-	-	-	-	-	-	-	-	-	-	-	3
Whitechapel North	-	12122	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church	H	8062	3	13	-	2	-	-	-	-	-	-	-	-	-	3	3	11
oodman's Fields	-	11166	8	5	1	1	-	-	1	-	-	-	-	-	-	-	-	-
ldgate	-	9971	-	4	2	-	-	-	-	-	1	-	-	-	1	-	-	-
St. Mary St. George East	-	18181	8	10	-	1	-	-	-	-	2	-	-	-	-	-	1	-
St. Paul St. George East	-	21015	18	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John St. George East	W	9695	12	9	-	4	-	-	-	-	-	-	-	-	-	-	-	6
adwell	W	12537	5	4	-	2	-	-	-	-	-	-	-	-	-	-	1	-
ateliff	W	16874	10	7	2	2	-	-	-	-	1	-	-	-	-	-	1	2
imehouse	W	27161	22	8	3	-	-	1	-	-	-	-	-	-	-	1	2	1
ile End Old Town West	-	33747	23	11	2	1	-	-	2	-	1	-	-	-	-	1	1	-
ile End Old Town East	Ww	39317	42	21	4	7	1	-	1	-	-	-	1	1	-	1	2	6
ow	WwL†	35667	49	36	5	11	-	3	5	-	-	-	-	-	1	-	2	7
oplar	W	43529	32	13	3	1	-	-	1	-	-	-	-	-	-	-	-	1
SOUTH DISTRICTS.																		
ristchurch Southwark	W	17069	10	7	3	2	-	-	-	-	2	-	-	-	-	-	-	2

The following are OUTLYING WORKHOUSES (indicated in the Tables by *w*):

[illegible]

The return for the sub-district of Spitalfields contains *one* death from scarlet fever, *one* death from violence, *one* inquest. The return for the sub-district of Rotherhithe contains *one* death from scarlet fever and *one* death in the workhouse.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 12th FEBRUARY, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.	READINGS OF THERMOMETERS.						DIFFERENCE				Degree of humidity, complete or partial.	WIND.		RAIN.	
			Dry.		Dew Point.		Highest in the sun, as shown by a thermometer.	Lowest in the shade, as shown by a thermometer.	Between Dew Point and Air Temperature.		Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	As deduced from Anemometers.		Degree of direction.			
Phases of Moon.		Mean daily reading (cor-rected to 32 deg. Fahr. = 0° Cent.).	High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Thermo- bulb in vacuo, placed in the Grass.	Thermo- bulb in air, placed in the Grass.	Mean daily value.	Least.	Great-est.	General Direction.	Pressure on square foot.	Mean of 24 Hrs.	Amount of movement of surface above the ground.	
FEBRUARY.																	
SUNDAY	6	29-759	in.	47-9	37-8	10-1	42-9	38-6	84-7	33-3	41-4	38-4	S. by E.	11-5	0-0	0-6	832
MONDAY	7	29-474	Apogee	43-0	40-0	3-0	41-6	37-9	48-5	33-5	42-1	38-7	SSE.	3-7	0-0	0-6	316
TUESDAY	8	29-393	First Quarter	45-4	34-0	11-4	39-2	37-9	63-6	34-0	42-4	39-4	SE.	2-1	0-0	0-3	253
WEDNESDAY	9	29-717	..	34-0	25-0	9-0	28-4	18-1	69-9	21-0	40-4	37-4	ESE.	13-0	0-0	1-0	410
THURSDAY	10	29-958	..	32-9	22-6	10-3	25-9	11-9	70-7	18-8	37-4	36-4	NE.	3-3	0-0	0-4	376
FRIDAY	11	30-168	..	30-5	19-4	11-1	24-7	15-5	72-9	17-8	36-4	33-4	ENE.	3-4	0-0	0-7	407
SATURDAY	12	30-136	Greatest Dec. N.	27-7	20-3	7-4	23-9	11-3	44-4	17-2	33-4	32-4	NE.	30-0	0-4	2-7	633
MEANS		29-800	..	37-3	23-4	8-9	32-4	24-5	65-0	25-8	39-1	36-6	NE.	..	..	..	Sum 2732
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	19	20	21	22	24

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's thin glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections published by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1868, December 31.* In reading the 17th column it will be borne in mind that + is read "higher," and "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29-80 in. at the beginning of the week to 29-85 in. by 9h. A.M. the 6th; decreased to 29-37 in. by 3h. P.M. on the 8th; increased to 30-20 in. by 9h. A.M. on the 12th; and was 30-09 in. by the end of the week.

SKY AND ATMOSPHERE.

Very fine during the morning, and light clouds prevailed; overcast afterwards, and rain fell in the evening.

Generally overcast. Rain fell frequently.

Generally cloudy. Occasional rain.

Overcast in the morning, and a little snow fell; fine, and partially cloudy during the remainder of the day.

A fine day; light clouds were prevalent in the afternoon and at night; at other times the sky was cloudless. The atmosphere was very dry.

Partially cloudy. Occasional snow. Auroral light seen between 8h. P.M. and 9h. P.M., also observed at Wellington College near Wokingham and at Bristol.

Generally cloudy. A little snow fell occasionally. Auroral light seen at night. Very dry.

ELECTRICITY.

No electricity was shown.

Weak positive was shown.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 7. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, FEBRUARY 19. [Price 1d.

*General Register Office, Somerset House,
21st February 1870.*

In the week that ended on Saturday, 19th February, 5341 BIRTHS and 4037 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 29 per 1000 persons estimated to be living, against 31 and 27 in the two previous weeks.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow:—21 per 1000 in Sunderland, 22 in Bradford, 22 in Birmingham, 24 in Wolverhampton, 25 in Hull, 26 in Leicester, 27 in Bristol, 28 in London, 29 in Leeds, 31 in Sheffield, 31 in Nottingham, 32 in Newcastle-upon-Tyne, 32 in Liverpool, 34 in Norwich, 34 in Portsmouth, 35 in Manchester, and, highest during the week, 36 per 1000 in the borough of Salford. The frost which set in on the 9th instant was maintained until Friday last, the mean temperature of those ten days showing a daily deficiency of more than 10° Fahrenheit upon the average temperature for the same period in fifty years. The deaths returned last week in the above 17 large English towns showed an increase of 258 or 8·2 per cent. upon those in the previous week. The deaths had increased in each of these towns except Bristol, Birmingham, Leeds, and Sunderland, where a decline was shown. The 193 deaths referred to scarlet fever last week in those 17 large English towns, exceeded by one those in the previous week; the fatal cases showed a decline in Liverpool, but were more numerous in Sheffield.

The deaths registered last week in Edinburgh were at the annual rate of 34 per 1000 persons living, in Glasgow 39 per 1000, and in Dublin 26.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 36 per 1000 persons living. The deaths in Vienna during the week ending 12th inst. gave an annual rate of 28 per 1000. Small-pox shows increasing prevalence in Paris, 83 fatal cases being reported last week, against 47 and 42 in the two previous weeks.

In LONDON the BIRTHS of 1156 boys and 1100 girls, in all 2256 children, were registered last week. In the corresponding weeks of ten years 1860–69 the average number, corrected for increase of population, was 2329.

The DEATHS registered in LONDON during the week were 1716. It was the seventh week of the year; and the average number of deaths for that week was, with a correction for increase of population, 1559. The deaths in the present return exceed by 157 the estimated number, and exceed by 148 the number recorded in the preceding week.

The increased mortality is due to the low temperature which has recently prevailed. Catarrhs and diseases of the lungs were prevalent and fatal.

The deaths from zymotic diseases were 335, the corrected average number being 319. Ten deaths from small-pox, 17 from measles, 104 from scarlet fever, 3 from diphtheria, 61 from whooping-cough, 9 from typhus fever, 21 from enteric (or typhoid) fever, 9 from simple continued fever, and 20 from diarrhoea were registered.

Of the 10 deaths from small-pox, 3 occurred in the North, and 5 in the East Districts of the Metropolis.

The mortality from scarlet fever has varied but slightly during the last four weeks; the numbers recorded being 118, 107, 103, and 104. The epidemic was most fatal last week in the North, East, and South Districts. The deaths re-

gistered were 26, 25, and 35 respectively. The son and two daughters of a labourer died at Hope Cottages, Lewisham, from "scarlet fever."

Three deaths from relapsing fever were registered; of these one occurred in the London Fever Hospital, and 2 in the sub-district of Peckham.

The deaths from measles and whooping-cough were less numerous than in the preceding week.

Phthisis, bronchitis, and pneumonia were more fatal than in the previous week.

The deaths of 3 persons from delirium tremens, of 11 persons from fractures or contusions, of 10 children and 2 adults from burns or scalds, of 2 persons from drowning, of 8 infants from suffocation, and of 8 persons who committed suicide were recorded.

The following deaths of 4 persons whose deaths were caused or accelerated by exposure to cold were recorded:—

ISLINGTON; *East*.—At 36 Highbury-vale, on 14th February, a gardener, aged 30 years, "exhaustion and prostration from cold, (36 hours)."

WHITECHAPEL; *Spitalfields*.—Found dead on the pavement of Keate-court, on 9th February, the wife of a weaver, aged 45 years, "sudden syncope from exposure to cold." *Post mort.* (*Inq.*)

ST. GEORGE-IN-THE-EAST; *St. Mary*.—Found dead on the door-step of 65 Cable-street, on 11th February, a night watchman, aged 61 years, "congestion of lungs, exposure to cold." *Post mort.* (*Inquest.*)

MILE END OLD TOWN; *Eastern*.—Found dead at 30 Mile-end-road, on 13th February, the widow of a japanner, aged 70 years, "acute bronchitis, accelerated by the inclemency of the weather." (*Inquest.*)

The following deaths of 4 persons whose deaths were caused or accelerated by privation were registered:—

HOLBORN; *City-road*.—At 4½ Little-Mitchell-street, on 9th February, a black-lead packer, aged 53 years, "sudden bronchitis and heart disease, accelerated by want of proper food." (*Inquest.*)

HOLBORN; *Whitecross-street*.—At 5 Thomas-court, on 11th February, a daughter of a shoemaker, aged 8 years, "sudden congestion of brain, accelerated by privation." *Post mort.* (*Inq.*)

In same sub-district.—At 7 George-yard, on 14th February, a whip maker, aged 54 years, "sudden disease of heart, accelerated by privation." *Post mort.* (*Inquest.*)

WHITECHAPEL; *Mile End New Town*.—At the Workhouse, on 8th February, a hawker, aged 64 years, "sudden disease of lungs, exposure and want of food." *Post mort.* (*Inquest.*)

No deaths caused by horses or vehicles in the streets were registered.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·901 in. The barometrical reading decreased from 30·11 in. on Tuesday, 15th February, to 29·70 in. on Saturday, 19th February. The mean temperature of the air in the week was 30·7°, which is 7·5° below the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was 38·9° on Tuesday, 15th, and Wednesday, 16th February. The lowest night temperature was 26·0° on Sunday, 13th February. The entire range of temperature in the week was, therefore, 12·9°. The mean temperature was below the average every day during the week. On Monday, 14th February, the lowest night temperature was 27·0°; on Tuesday, 15th February, 28·0°; and on Friday, 18th February, 27·8°. The mean of the highest temperatures of the water of the Thames was 31·9°; that of the lowest was 31·1°. The difference between the mean dew-point temperature and air temperature was 7·1°. The mean degree of humidity of the air was 74, complete saturation being represented by 100. Snow fell on six days during the week. Rain or melted snow was measured to the amount of 0·05 in. The general direction of the wind was N.E. and E.N.E. A violent gale of wind prevailed on the first three days of the week.

The mean temperature of the week was lower at the Royal Observatory, Greenwich, than in any of the other large English towns furnishing returns, in which the mean ranged from 34·4°, the highest in Newcastle-upon-Tyne, and 30·9° in both Bristol and Wolverhampton. The lowest night temperature of the week in these towns, 19·5°, and the highest day temperature in the shade, 44·1°, were each recorded at Portsmouth.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 185,060 cubic metres, and at Barking 149,291 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the SEVENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1880	1792	1966	2108	2122	2034	2093	2430	2352	2401	2117·8	2256
Males . .	950	889	1018	1092	1086	1044	1069	1244	1238	1209	1083·9	1156
Females .	930	903	948	1016	1036	990	1024	1186	1114	1192	1033·9	1100
TOTAL Deaths	1454	1328	1345	1346	1586	1567	1365	1389	1397	1491	1417·8	1716*
Males . .	757	643	672	677	821	774	698	706	678	788	721·4	906
Females .	697	685	673	669	765	793	667	683	629	703	695·4	810

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Nov. 27.	Dec. 4.	Dec. 11.	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.
TOTAL Deaths - - -	1676	1705	1759	1566	1357	1996	1697	1664	1652	1613	1828	1568	1716*
Deaths under 5 years of age -	790	811	823	706	596	840	694	666	668	634	681	616	687
Deaths 5–20 - - -	141	178	133	127	130	157	105	115	109	125	134	117	123
Deaths 20–40 - - -	190	178	187	175	159	244	192	233	213	220	222	188	225
Deaths 40–60 - - -	240	243	260	237	212	297	256	271	254	255	332	279	298
Deaths 60–80 - - -	258	246	279	260	221	366	367	291	321	312	380	310	311
Deaths at 80 years & upwards	48	49	67	61	39	92	83	88	87	67	79	58	72
Deaths from Small-pox -	5	10	11	8	5	7	8	12	8	5	11	4	10
„ „ Measles - - -	50	40	35	26	31	59	30	40	41	28	23	23	17
„ „ Scarlet Fever -	219	245	209	186	123	159	134	114	143	118	107	103	104
„ „ Diphtheria - -	7	4	8	8	7	9	5	8	8	7	5	3	3
„ „ Whooping-cough -	70	63	71	62	65	57	67	58	55	67	79	65	61
„ „ Typhus fever -	11	13	7	12	8	12	4	13	12	7	14	6	9
„ „ Enteric (or Ty- phoid) fever - -	23	18	14	16	14	18	13	14	12	17	9	22	21
„ „ Simple Contag. fever	11	18	19	16	16	21	18	23	15	11	12	5	9
„ „ Diarrhœa - - -	20	19	13	14	14	22	19	13	15	8	17	11	20
„ „ Phthisis - - -	187	153	148	157	119	207	138	179	175	180	198	170	191
„ „ Bronchitis - - -	250	272	259	208	185	305	295	233	242	277	316	265	335
„ „ Pneumonia - - -	119	106	122	103	87	120	102	116	87	81	114	74	109
„ „ Heart Disease -	69	62	76	69	55	91	82	71	64	84	91	66	76
Mean Temperature of the Air	41·0	34·2	39·2	44·7	38·2	34·2	45·2	39·3	36·1	31·6	42·0	32·4	30·7
Mean Temperature of the Water of the Thames	43·1	39·7	36·3	40·0	41·6	38·4	39·5	41·0	39·1	37·7	39·9	37·8	31·5
Humidity of the Air - -	89	83	93	84	85	83	87	87	82	82	87	72	71
Rain-fall in inches - -	1·16	0·80	0·43	1·23	0·86	0·31	0·79	0·48	0·05	0·00	0·25	0·25	0·05

* The return for the sub-district of Queenhithe (London City) was not received when the Tables were under preparation; an average of 2, derived from the returns of six previous weeks, is inserted.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filler, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 19th day of February 1870, in the following large Towns.

CITIES AND BOROUGHES.	Area in Hectares.	Estimated Population in the middle of the Year 1870.	Persons to a Hectare. (1870.)	BIRTHS registered during the Week ending 19th Feb.	DEATHS registered during the Week ending 19th Feb.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metre.
Total of 20 Towns in the UNITED Kingdom -	86,922	7,216,325	83	5341	4037	49°0	19°5	32°8	0°45	0°18	0°4
LONDON - - -	31,563	3,214,707	102	2256	1716	38°9	26°0	30°7	-0°72	0°05	0°18
PORTSMOUTH - -	3,849	122,084	32	91	79	41°1	19°5	31°6	-0°22	0°00	0°00
NORWICH - - -	3,024	81,087	27	57	52	38°5	25°0	31°2	-0°45	0°00	0°00
BRISTOL - - -	1,897	171,882	90	127	88	38°5	21°9	30°9	-0°61	0°09	0°23
WOLVERHAMPTON -	1,371	72,990	53	74	33	37°4	19°6	30°9	-0°61	0°12	0°30
BIRMINGHAM - -	3,168	369,604	117	255	156	39°4	21°4	31°9	-0°06	0°17	0°45
LEICESTER - - -	1,295	97,427	75	85	49	39°7	23°0	31°6	-0°22	0°22	0°56
NOTTINGHAM - -	808	88,888	110	54	53	39°8	21°3	31°5	-0°28	0°21	0°55
LIVERPOOL - - -	2,067	517,567	250	426	320	40°4	29°4	34°0	1°11	0°00	0°00
MANCHESTER - -	1,815	374,993	207	256	249	41°4	25°0	34°0	1°11	0°01	0°03
SALFORD - - -	2,093	121,580	58	93	83	42°7	22°9	33°4	0°78	0°07	0°18
BRADFORD - - -	2,667	143,197	54	155	60	40°5	21°6	33°1	0°62	0°30	0°76
LEEDS - - -	8,729	259,527	30	298	142	42°0	25°0	33°9	1°06	0°15	0°38
SHEFFIELD - - -	9,238	247,378	27	178	148	40°0	22°5	32°7	0°39	0°15	0°38
HULL - - -	1,441	130,869	91	87	63	42°0	21°0	32°2	0°11	0°58	1°47
SUNDERLAND - -	1,955	100,979	52	63	40	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	2,159	183,867	62	113	81	40°0	23°3	34°4	1°33	0°97	2°47
EDINBURGH - - -	1,791	178,970	100	113	116	41°7	25°0	33°0	0°56	0°20	0°08
GLASGOW - - -	2,049	468,189	228	384	348	42°0	25°0	34°3	1°28	0°03	0°51
DUBLIN - - -	3,943	321,540	82	171	161	49°0	29°5	37°5	3°06	0°05	0°13
PARIS - - -	7,802	1,889,842	242	—	1292	—	—	—	—	—	—
						Week ending 19 Feb. 1870.					
VIENNA - - -	3,728*	605,200	162	—	322	—	—	9°1	-12°75	—	—
						Week ending 17 Feb. 1870.					
BERLIN - - -	6,253	702,437	112	—	—	—	—	—	—	—	—
						Week ending 1st February 1870.					
						Week ending 1st February 1870.					

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH Towns during the Week ending Saturday the 19th day of February 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
LONDON - - -	28	1716	389	383	10	17	104	3	61	39	20	47	94	258
PORTSMOUTH - -	34	79	15	19	—	6	5	2	3	1	1	1	3	10
NORWICH - - -	34	52	11	20	—	—	1	—	—	—	—	—	1	5
BRISTOL - - -	27	88	17	23	—	4	2	—	2	2	3	—	4	8
WOLVERHAMPTON -	24	33	9	11	—	—	1	—	3	—	1	—	—	4
BIRMINGHAM - -	22	156	35	31	1	1	4	—	8	3	3	12	23	20
LEICESTER - - -	26	49	17	10	—	—	1	—	—	1	—	1	1	5
NOTTINGHAM - -	31	53	9	19	—	1	3	—	4	2	—	—	4	5
LIVERPOOL - - -	32	320	76	92	—	3	17	1	8	9	4	10	15	53
MANCHESTER - -	35	249	55	49	1	5	8	2	27	6	5	2	17	33
SALFORD - - -	36	83	15	15	2	—	1	—	6	5	3	7	12	6
BRADFORD - - -	22	60	20	11	—	—	—	—	3	3	1	1	—	7
LEEDS - - -	29	142	38	28	—	—	13	1	5	5	2	3	4	4
SHEFFIELD - - -	31	148	39	31	—	2	19	2	2	7	2	3	4	10
HULL - - -	25	63	13	14	—	—	8	—	—	2	—	2	3	8
SUNDERLAND - -	21	40	11	12	—	—	—	—	1	1	—	—	1	2
NEWCASTLE-ON-TYNE	32	81	26	11	—	—	4	—	7	4	—	—	2	6
DUBLIN - - -	26	161	26	46	—	5	1	—	2	8	3	1	—	50

TABLE 5.—DEATHS in LONDON Registered in the SEVENTH Week of the Year 1870.

† An average of 2 is added without distinction of cases. See note *, page 53.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, and from other Zymotic Diseases, during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															Inquest Cases.	In Public Insti- tutions.
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.					
LONDON		2,803,989	2256	1716	339	383	10	17	104	3	61	9	21	9	20	47	94	20			
WEST DISTRICTS		458,125	327	288	68	61	1	3	11	1	7	3	5	1	6	3	5	3			
NORTH DISTRICTS		618,210	482	395	73	95	3	2	26	1	9	3	8	1	5	11	21	73			
CENTRAL DISTRICTS		383,321	241	208	35	48	-	1	7	-	8	-	2	-	2	4	20	30			
EAST DISTRICTS		571,158	521	353	68	80	5	3	25	-	17	1	2	1	3	19	33	67			
SOUTH DISTRICTS		773,175	685	472	95	99	1	8	35	1	20	2	4	6	4	10	15	53			
WEST DISTRICTS.																					
St. Mary Paddington WH		39015	44	22	6	6	-	-	1	-	1	-	3	-	2	1	1	3			
St. John Paddington H		36759	11	14	2	4	-	-	-	-	-	-	-	-	-	1	1	3			
Kensington Town W		51910	53	50	13	3	-	-	2	-	3	-	1	-	1	-	-	6			
Brompton H		18198	14	10	1	3	-	-	-	-	1	-	-	-	-	-	-	3			
St. Peter Hammersmith		5415	8	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
St. Paul Hammersmith		19104	25	16	3	3	-	-	3	-	1	-	-	-	1	-	1	-			
Fulham W		15539	16	20	7	2	-	-	2	-	1	1	-	-	-	-	-	2			
Chelsea South H		21654	19	14	6	-	-	-	-	-	1	-	-	-	-	-	-	-			
Chelsea North-west HW		19899	14	12	2	3	-	-	-	-	1	-	-	-	-	-	-	-			
Chelsea North-east		21886	19	14	2	5	-	-	-	-	-	-	2	-	-	1	1	2			
Hanover Square		19773	5	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
May Fair W		12885	2	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-			
Belgrave H		55113	34	27	6	4	1	-	-	1	-	-	-	-	1	-	-	7			
St. John Westminster		37483	21	26	6	4	-	-	-	-	2	-	-	1	-	-	-	1			
St. Margaret Westminster WH		30730	14	21	8	4	-	-	-	-	-	1	-	-	-	-	1	3			
St. James's Square		10753	1	6	-	4	-	-	-	-	-	-	-	-	-	-	-	-			
Golden Square W		13966	4	8	1	3	-	-	-	-	-	-	-	-	-	-	-	4			
Berwick-street		10607	9	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Anne Soho		17426	14	8	1	4	-	-	-	-	-	-	-	-	-	-	-	-			
NORTH DISTRICTS.																					
All Souls Marylebone H		29652	19	22	1	7	-	-	-	-	-	-	-	-	-	1	2	9			
Cavendish Square		15090	3	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-			
Rectory Marylebone W		26692	15	27	3	10	-	-	1	-	-	-	-	-	-	-	1	14			
St. Mary Marylebone		22493	19	17	4	4	-	-	-	-	2	-	-	-	1	-	-	-			
Christchurch Marylebone		34913	26	12	6	2	-	-	-	-	-	-	-	-	-	-	-	-			
St. John Marylebone		32540	20	17	4	2	-	-	1	-	-	-	-	-	-	-	1	-			
Hampstead W		19106	13	12	4	4	-	-	-	1	-	-	-	-	1	-	-	1			
Regent's Park Pancras		34927	24	14	3	4	-	-	2	-	-	-	-	-	-	4	3	-			
Tottenham-court WH		29371	19	17	1	8	-	-	1	-	-	-	-	-	-	1	1	7			
Gray's Inn Lane H		27308	16	14	2	1	-	-	2	-	-	-	-	-	-	-	-	3			
Somers Town		39099	22	13	1	4	-	-	-	-	-	1	-	-	-	-	-	-			
Camden Town W		23266	11	18	2	6	-	-	-	-	2	-	-	-	-	1	4	9			
Kentish Town		44317	42	39	7	10	-	-	5	-	-	-	1	-	-	2	5	-			
Islington West* WHH		75442	72	55	9	9	2	-	3	-	1	3	1	-	-	-	-	19			
Islington East WH		79899	74	61	13	13	-	1	5	1	2	-	1	-	2	1	-	3			
Stoke Newington		6608	5	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-			
Stamford Hill		5483	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
West Hackney		24265	22	12	3	2	-	-	1	-	1	-	-	-	-	1	1	-			
Hackney WH		31481	24	26	4	6	-	-	-	-	-	-	-	-	-	-	-	-			
South Hackney L		15458	34	12	4	1	-	-	2	-	1	-	2	-	1	-	2	8			
CENTRAL DISTRICTS.																					
St. George Bloomsbury		17392	6	6	1	-	-	-	-	-	1	-	-	-	-	1	1	-			
St. Giles South W		19483	14	17	2	5	-	-	-	-	-	-	-	-	-	-	-	6			
St. Giles North		17201	15	12	4	1	-	-	-	-	2	-	-	-	-	1	1	6			
Long Acre		11618	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Charing Cross WH		11971	2	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-			
St. Mary-le-Strand		10346	7	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
St. Clement Danes H		18207	5	12	1	2	-	-	-	-	-	-	-	-	-	-	-	3			
St. George-the-Martyr H		19903	20	14	3	1	-	-	1	-	3	-	1	-	-	-	2	1			
St. Andrew East Holborn W		12947	9	10	-	3	-	-	-	-	-	-	-	-	-	-	-	3			
Saffron Hill		12012	9	4	1	-	-	-	-	-	1	-	-	-	-	-	-	-			
St. James Clerkenwell W		19132	15	11	1	3	-	-	-	-	1	-	-	-	-	-	-	2			
Amwell Clerkenwell		17250	10	14	2	1	-	-	1	-	1	-	-	-	-	-	-	1			
Pentonville		13079	5	9	1	2	-	-	-	-	-	-	-	-	-	-	-	3			
Goswell-street		16200	11	6	-	5	-	-	1	-	-	-	-	-	-	-	-	1			
Old-street		11504	16	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
City-road HL		17860	33	14	6	3	-	-	-	-	-	-	-	-	-	-	2	3			
Whitecross street		14778	5	9	1	3	-	-	-	-	-	-	-	-	-	-	-	-			
Finsbury		12931	8	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-			
St. Botolph East London		20990	12	10	3	2	-	-	-	-	1	-	1	-	-	-	-	-			
Cripplegate		19697	9	7	1	-	-	-	-	-	-	-	1	-	-	1	-	-			
St. Sepulchre WH		11750	6	15	2	2	-	-	-	-	-	-	-	-	-	-	-	-			
St. Bride		15395	7	6	1	3	-	-	-	-	-	-	-	-	-	-	2	3			
Castle Baynard		7762	2	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-			
Christchurch		9020	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Queenhithe		8570	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Alhallowes Barking		8659	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Broad Street		11544	4	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-			

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W.—Workhouse;

H.—Hospital;

L.—Lunatic Asylum;

w.—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

‡ See note*, page 53.

MEASLES, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT during the Week ending 19th February 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include												
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																	
Wyndham Shoreditch	-	17313	14	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch	L†	19188	10	6	1	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton New Town	W	26516	24	25	7	7	-	-	1	-	2	-	-	-	1	2	1
Hoxton Old Town	-	25777	19	11	-	4	-	-	1	-	-	-	-	-	-	-	5
Wapping Green West	W	23260	18	9	-	4	-	-	1	-	-	-	-	-	-	-	5
Wapping Green East	-	17310	23	14	1	5	-	-	1	-	-	-	-	-	1	2	-
Wapping Green	-	26298	30	19	5	2	-	-	-	-	2	-	-	-	-	-	-
St. Paul's Church, Bethnal Green	WHL†	31789	30	36	8	7	-	-	1	3	-	-	-	-	-	-	8
St. Paul's Church, Bethnal Green	-	25523	24	10	4	1	-	-	-	2	-	-	-	-	-	-	-
St. Paul's Church, Bethnal Green	-	21486	25	6	1	2	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's Whitechapel	-	6557	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's Whitechapel	-	15700	3	1	-	-	-	-	-	-	-	-	-	-	1	1	-
St. Andrew's End New Town	W	15392	12	15	2	2	-	-	-	-	-	-	-	-	-	2	10
St. Andrew's Whitechapel Church	H	12122	5	3	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's Whitechapel Church	-	8062	8	19	3	3	-	-	-	-	-	-	-	-	6	8	14
St. Andrew's Whitechapel Church	-	11166	5	2	-	2	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's Whitechapel Church	-	9071	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Mary St. George East	-	18181	8	10	3	2	-	-	1	-	2	-	1	-	-	1	-
Paul St. George East	-	21013	16	8	-	-	-	-	-	-	1	-	-	-	1	1	-
John St. George East	W	9695	8	15	2	6	1	-	1	-	-	-	-	-	-	-	6
St. Andrew's	W	12537	10	9	-	4	-	-	1	-	-	-	-	-	1	1	2
St. Andrew's	W	16874	10	9	2	2	-	-	-	-	2	-	-	-	-	1	1
St. Andrew's	W	27161	21	16	7	1	2	-	8	-	1	-	-	-	1	3	-
St. Andrew's End Old Town West	-	33747	33	13	2	8	-	-	-	-	1	-	-	-	-	1	-
St. Andrew's End Old Town East	W	39317	45	34	7	9	2	-	2	-	2	-	-	-	2	3	4
St. Andrew's	W	35667	60	36	6	8	-	-	1	4	-	1	-	-	-	1	3
St. Andrew's	W	43529	50	20	3	5	-	-	1	1	-	-	-	1	4	4	3
SOUTH DISTRICTS.																	
St. Andrew's Southwark	W	17069	13	11	3	4	-	-	-	-	-	-	-	-	-	1	1
St. Andrew's Saviour Southwark	H	19101	11	8	1	-	-	-	-	-	-	-	-	-	-	1	-
St. Andrew's	-	19652	13	6	2	1	-	-	-	-	-	-	-	-	-	1	-
St. Andrew's	W	16668	16	11	1	5	-	-	-	-	-	-	-	-	-	-	6
St. Andrew's	L	19190	29	15	3	2	-	-	1	-	1	-	-	-	-	1	1
St. Andrew's	-	22975	25	12	1	3	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	W	44463	32	25	8	4	-	-	2	1	-	1	-	-	-	-	1
St. Andrew's	H	15082	6	7	-	2	-	-	-	-	-	-	-	1	1	1	2
St. Andrew's	H	7663	-	14	-	4	-	-	-	-	-	-	-	-	-	4	11
St. Andrew's	W	11833	12	7	3	-	-	-	-	-	-	-	1	-	-	-	-
St. Andrew's	-	16696	8	5	2	2	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	W	16595	9	7	2	2	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	25154	45	16	2	3	-	-	-	-	1	-	-	-	-	1	3
St. Andrew's	W	24502	19	15	5	2	1	-	2	-	-	-	-	-	1	2	-
St. Andrew's	-	15269	13	10	5	-	-	-	2	-	-	-	-	-	-	-	-
St. Andrew's	-	18640	11	13	3	3	-	-	-	-	1	-	-	-	-	-	-
St. Andrew's	-	19839	10	7	2	1	-	-	2	-	-	-	-	-	-	-	-
St. Andrew's	W	29542	24	30	5	13	-	-	-	-	4	-	1	-	-	-	13
St. Andrew's	-	30785	28	20	4	1	-	-	4	1	-	-	-	-	-	-	-
St. Andrew's	-	20440	32	16	1	2	-	-	1	1	-	1	1	-	-	-	-
St. Andrew's	-	20667	20	10	3	2	-	-	1	1	-	-	-	1	-	-	-
St. Andrew's	W	7462	8	5	-	1	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	20894	21	9	1	3	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	W	19600	38	21	8	5	-	-	1	-	3	-	-	-	1	1	1
St. Andrew's	L	13846	15	10	-	2	-	-	-	-	1	-	1	-	-	-	2
St. Andrew's	-	6481	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	10982	7	3	1	2	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	1723	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	WHL†	21297	15	11	-	4	-	-	2	-	-	-	-	-	-	-	-
St. Andrew's	-	28135	27	21	4	7	-	-	-	-	1	1	-	2	1	-	-
St. Andrew's	-	20383	32	16	4	3	-	1	1	-	1	-	-	-	-	-	-
St. Andrew's	-	37834	47	25	4	3	-	1	2	-	-	-	-	1	-	-	-
St. Andrew's	-	8139	2	5	-	1	-	1	-	-	-	-	-	-	-	-	-
St. Andrew's	H	21696	18	9	3	1	-	-	-	-	-	-	-	-	-	-	4
St. Andrew's	WH	18306	8	15	2	6	-	-	-	-	-	-	-	1	-	-	6
St. Andrew's	-	3009	3	3	-	-	-	-	1	-	-	-	-	-	-	-	-
St. Andrew's	-	11093	6	6	2	-	-	-	1	-	-	-	-	-	1	-	-
St. Andrew's	W	7372	14	8	-	2	-	-	3	-	-	-	-	-	-	-	1
St. Andrew's	-	10595	7	2	1	1	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	9276	2	10	2	1	-	-	-	-	-	-	-	-	-	-	4
St. Andrew's	H	22919	15	9	3	1	-	-	-	-	1	-	-	-	-	-	-
St. Andrew's	H	18776	14	7	2	1	-	-	3	-	-	-	-	-	-	-	-
St. Andrew's	-	24502	5	4	1	2	-	-	-	-	1	-	-	-	-	-	-
St. Andrew's	-	11	4	-	-	-	-	-	1	2	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
 The Strand " " " Tottenham-court sub-district.
 London City " " " Islington East.
 Do. do. " " " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.
 London City " " " Mile End Old Town Eastern sub-dist. and
 Stepney " " " Bow sub-district.
 Stepney " " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 19th FEBRUARY, 1870.

[Under the Superintendence of the Astronomer Royal.]

READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.						
MOON.		BARO-METER.		Dry.		Wet.		In the Water of Greenwich, by self-registering Thermometers.		Between Dew Point and Temperature		Air Temperature.		General Direction.		Pressure on square foot.		As deduced from Anemometers.		Collected in a Gauge whose surface is 5 in. above the ground.				
Phases of Moon.	Mean daily reading reduced to 32 deg. Fahr. (height).	High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Highest in the sun, as shown by Thermometer bulb in vacuum placed at the top of the barometer.	Lowest in the sun, as shown by Thermometer bulb in vacuum placed at the top of the barometer.	Mean of the day and night.	Between mean temperature of the day and mean temperature of the same day, on an average, by 100, of 30 years.*	Between mean temperature of the day and mean temperature of the same day, on an average, by 100, of 30 years.*	Degree of dryness, complete saturation being sented by 100.	A.M.	P.M.	Great-est.	Least.	Mean of 24 (hrs.)	Robinson's. Amount of Horizontal Movement of Air above the surface each day.	Inches.	Miles.			
FEBRUARY.																								
SUNDAY . 13	in.	29-931	28-7	26-0	2-7	26-8	14-3	29-5	25-8	32-4	31-4	12-5	14-3	9-4	ENE.	ENE.	30-7	1-5	7-5	799	0-00	5		
MONDAY . 14	..	29-921	31-5	27-0	4-5	29-5	24-7	37-2	27-0	32-4	31-4	4-8	6-2	2-9	ENE.	ENE.	30-7	0-8	3-5	698	0-00	6		
TUESDAY . 15	..	30-076	38-9	28-0	10-9	32-3	23-2	81-9	22-0	31-9	31-4	9-1	14-6	2-8	ENE.	NE.	30-0	0-0	1-0	444	0-00	4		
WEDNESDAY 16	Full	29-927	38-9	28-2	10-7	32-9	29-3	55-7	21-1	31-9	30-9	3-6	6-5	1-6	NE.	ENE.	0-9	0-0	0-1	251	0-00	2		
THURSDAY . 17	..	29-901	32-0	28-8	3-2	29-9	23-3	35-5	27-8	31-6	30-9	6-6	10-1	2-5	NE.	ENE.	2-0	0-0	0-3	364	0-04	4		
FRIDAY . 18	Perigee	29-760	31-2	27-8	3-4	29-4	22-1	35-7	25-0	31-5	30-8	7-3	8-6	5-7	NE.	NE.	1-3	0-0	0-1	170	0-00	1		
SATURDAY . 19	In Equator	29-788	33-7	30-3	8-4	34-3	23-5	47-0	29-0	..	..	5-8	8-1	4-9	N. & NNE.	NNE.	0-8	0-0	0-0	191	0-01	0
MEANS . .	..	29-901	34-3	28-0	6-3	30-7	23-6	46-1	25-4	(6 days) 31-9	(6 days) 31-1	7-1	9-8	4-3	NE. & ENE.	ENE.	..	..	..	Sum 2917	Sum 0-03	3-1
No. of Columns.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

NOTES.

The height of the cistern of the barometer is considered to be 156 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include all observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as deduced by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from 1840 to 1845, and by the self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

* In reading the 17th column it will be borne in mind that the word is read "higher," and — "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30-99 in. at the beginning of the week to 29-88 in. by 9h. P.M. on the 13th; increased to 30-11 in. by 9h. A.M. on the 14th; decreased to 29-70 in. by noon on the 19th; and was 29-90 in. by the end of the week.

SKY AND ATMOSPHERE.

Overcast. A little snow fell occasionally. A violent gale of wind.

Overcast. Occasional snow. The gale continued throughout the day.

A fine day; light clouds prevailed. The gale gradually subsided after 4h. A.M.

Overcast. A little snow at night.

Overcast. Snow fell frequently.

Overcast. A little snow fell at times.

Overcast. Snow fell in the morning.

ELECTRICITY.

The insulating lamp was not burning.

DATE.

FEBRUARY.

SUNDAY . 13

MONDAY . 14

TUESDAY . 15

WEDNESDAY 16

THURSDAY . 17

FRIDAY . 18

SATURDAY . 19

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 8. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, FEBRUARY 26. [Price 1½d.

*General Register Office, Somerset House,
28th February 1870.*

IN the week that ended on Saturday, 26th February, 5232 BIRTHS and 4126 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 30 per 1000 persons estimated to be living, against 27 and 29 in the two previous weeks.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow:—19 per 1000 in Leicester, 22 in Sunderland, 23 in Hull and Nottingham, 24 in Norwich, Bradford, and Wolverhampton, 25 in Birmingham, 26 in Newcastle-upon-Tyne, 27 in Leeds, 29 in Portsmouth and Liverpool, 30 in London, 31 in Salford, 33 in Sheffield, 36 in Bristol, and, the highest rate during the week, 39 per 1000 in the city of Manchester. The deaths returned last week in the above 17 large English towns showed a further increase of 121 upon those in the two previous weeks. The largest increase occurred in London, Bristol, and Manchester, while a decline was shown in many of the other towns. The 522 deaths recorded during last week in the large public institutions (principally workhouses and hospitals) of the 17 towns showed an increase of 74 upon those so returned in the previous week. The fatality from scarlet fever in these towns continues slowly to decline; in the past five weeks the number of deaths referred to this disease has been successively 247, 212, 192, 191, and 188. Whooping-cough was somewhat fatally prevalent last week in Manchester and Birmingham, and caused 149 in the 17 towns, against 140 in the previous week.

The deaths registered last week in Edinburgh were at the annual rate of 28 per 1000 persons living, in Glasgow 33 per 1000, and in Dublin 32.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 38 per 1000 persons living. The deaths in Berlin in the seven days ending Thursday, 24th inst., gave an annual rate of 32 per 1000, and in Vienna during the week ending 19th inst. a rate of 30 per 1000. Small-pox continues fatally prevalent in Paris, 79 deaths being recorded last week, against 42 and 83 in the two previous weeks. Diphtheria caused 24 deaths last week in Berlin.

IN LONDON the BIRTHS of 1225 boys and 1143 girls, in all 2368 children, were registered last week. In the corresponding weeks of ten years 1860-69 the average number, corrected for increase of population, was 2337.

THE DEATHS registered in LONDON during the week were 1861. It was the eighth week of the year; and the average number of deaths for that week was, with a correction for increase of population, 1606. The deaths in the present return exceed by 255 the estimated number, and exceed by 145 the number recorded in the preceding week.

A comparison of the ages of the persons who died last week with those registered in the previous week shows an increase of 26 deaths of children under 5 years of age, a decrease of 3 deaths of young persons 5 and under 20, a decrease of 11 deaths of persons 20 and under 40, an increase of 15 deaths of

persons 40 and under 60, an increase of 101 deaths of persons 60 and under 80, and an increase of 17 deaths of persons aged 80 years and upwards.

The deaths from zymotic diseases were 340, the corrected average number being 320. Eleven deaths from small-pox, 18 from measles, 111 from scarlet fever, 5 from diphtheria, 79 from whooping-cough, 8 from typhus fever, 11 from enteric (or typhoid) fever, 13 from simple continued fever, and 15 from diarrhoea were registered.

Ten deaths from scarlet fever were recorded in the West Districts, 32 in the North, 9 in the Central, 19 in the East, and 41 in the South Districts.

The mortality from whooping-cough was greater than in the two previous weeks. The disease was most fatal in the East Districts.

Two hundred and twenty-six persons died from phthisis, 323 from bronchitis, and 90 from pneumonia.

The deaths of 8 children and 3 adults from burns or scalds, of 11 infants from suffocation, and of 2 persons who committed suicide were registered.

The deaths of 10 nonagenarians were recorded, the oldest was a person who attained the age of 97 years.

The following deaths of 6 persons whose deaths were caused or accelerated by exposure to cold or by privation were registered :—

HACKNEY; Hackney.—At the City of London Union, on 22d February, a commission agent, aged 68 years, “sudden, disease of the lungs and liver, accelerated by exposure to cold.” *Post mort. (Inquest.)*

STRAND; Charing Cross.—At the Charing Cross Hospital, on 11th February, a wheelwright, aged 53 years, “inflammation of the lungs, and exposure to cold (12 hours).” *Post mort. (Inq.)*

SHOREDITCH; Holywell.—At 86 Long-Alley, on 21st February, a last maker, aged 54 years, “sudden, bronchitis, and extreme cold.” *(Inquest.)*

STEPNEY; Ratcliff.—At 2 King’s Arms-place, on 18th February, the widow of a miller, aged 89 years, “sudden, bronchitis, and severe cold.” *(Inquest.)*

PANCRAS; Regent’s Park.—At 11 William-mews, on 17th February, the wife of a saw-sharpener, aged 45 years, “consumption, accelerated by want.” *Post mort. (Inquest.)*

ST. GEORGE-IN-THE-EAST; St. Mary.—At 13 Berner-street, on 18th February, a female, aged 50 years, “sudden, want of food and privation.” *Post mort. (Inquest.)*

The following deaths of 3 persons who were killed by horses or vehicles in the streets were recorded :—

The son of a sweep, aged 2 years, “fracture of skull; run over by a van.” Died on 18th February in St. George’s Hospital. *Post mort. (Inquest.)*

A solicitor’s clerk, aged 22 years, “rupture of liver; by the shaft of a cart.” Died on 23d February in the Westminster Hospital. *Post mort. (Inquest.)*

A fruiterer, aged 66 years, “compound comminuted fractures of both legs; run over by a van.” Died on 24th February in Guy’s Hospital. *(Inquest.)*

The waters supplied by the Metropolitan Companies during the month of February, contained (according to Professor Frankland’s analysis) in 100,000 tons foreign solid matters amounting to 32 tons in the Chelsea water, 33 in the West Middlesex, 32 in the Southwark and Vauxhall, 32 in the Grand Junction, 31 in the Lambeth, 32 in the New River, 36 in the East London, and 40 in the Kent, 100,000 tons of the Chelsea water contained 24 tons, the West Middlesex 24 tons, the Southwark and Vauxhall 24 tons, the Grand Junction 24 tons, the Lambeth 24 tons, the New River 26 tons, the East London 26 tons, and the Kent 29 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

According to Professor Frankland, the proportion of organic matter in the water drawn from the Thames and Lea has experienced a great reduction since his last report. The reduction is seen least in the water delivered by the West Middlesex Company, because this company having the largest storage capacity was supplying water which had been abstracted from the river at an earlier date than that supplied by the other companies. Of Thames water that delivered by the Southwark and Grand Junction Companies contained the smallest proportion of organic matter. The New River Company’s water from the Lea springs and wells contained still less, and that supplied by the Kent Company from deep wells in the chalk the least proportion of organic matter. The exceptional impurities and turbidity noticed in the East London Company’s water last month have disappeared, although the previous sewage or animal contamination, as indicated both by nitrates and chlorine, is greater than that in any of the other river waters.

The water delivered by the Lambeth Company was again turbid, that of the Chelsea and Grand Junction Companies slightly turbid, whilst the rest of the samples were perfectly clear when drawn from the companies' mains.

The temperature of all the samples was much lower than in the previous month, averaging only $4^{\circ}7$ C., and no living organisms were found in any of them.

At the Royal Observatory, Greenwich, the mean height of the barometer last week was 29.503 in. The barometrical reading decreased from 29.97 in. on Sunday, 20th February, to 29.20 in. on Thursday, 24th February. The mean temperature of the air in the week was $36^{\circ}9$, which is $2^{\circ}3$ below the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was $52^{\circ}0$ on Saturday, 26th February. The lowest night temperature was $24^{\circ}8$ on Tuesday, 22d February. The entire range of temperature in the week was, therefore, $27^{\circ}2$. The mean of the highest temperatures of the water of the Thames was $34^{\circ}0$; that of the lowest was $32^{\circ}4$. The difference between the mean dew-point temperature and air temperature was $7^{\circ}2$. The mean degree of humidity of the air was 75, complete saturation being represented by 100. Rain fell to the amount of 0.05 in. The general direction of the wind was N.W., W., and S.W. Between 9 P.M. and 10 P.M. on Wednesday, 23d February, the clouds were illuminated by auroral light. A solar halo was seen more or less distinctly from 8.50 A.M. till sunset on Friday, 25th February. A portion of a faint solar halo was seen at 9 A.M. on Saturday, 26th February.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 193,565 cubic metres, and at Barking 135,191 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

*Royal College of Chemistry,
26th February, 1870.*

SIR,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of February. For the purpose of comparison I append also the results yielded by the water supplied to the town of Manchester and by Thames water taken at London Bridge at low-water on the 8th of December last.

The proportion of organic matter in the water drawn from the Thames and Lea has experienced a great reduction since my last report. The reduction is seen least in the water delivered by the West Middlesex Company, because this company having the largest storage capacity was supplying water which had been abstracted from the river at an earlier date than that supplied by the other companies. Of Thames water that delivered by the Southwark and Grand Junction Companies contained the smallest proportion of organic matter. The New River Company's water from the Lea springs and wells contained still less, and that supplied by the Kent Company from deep wells in the chalk the least proportion of organic matter. The exceptional impurities and turbidity noticed in the East London Company's water last month have disappeared, although the previous sewage or animal contamination as indicated both by nitrates and chlorine, is greater than that in any of the other river waters.

The water delivered by the Lambeth Company was again turbid, that of the Chelsea and Grand Junction Companies slightly turbid, whilst the rest of the samples were perfectly clear when drawn from the companies' mains.

The temperature of all the samples was much lower than in the previous month, averaging only $4^{\circ}7$ C., and no living organisms were found in any of them.

I have, &c.

E. FRANKLAND.

The Registrar General,
&c. &c. &c.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 1st February, Cab Rank, Horse Guards }	5.0	31.62	.184	.019	.000	.383	.402	3510	1.60	24.08
West Middlesex -	{ 1st February, Cab Rank, Portland-road }	4.4	32.68	.249	.024	.001	.384	.409	3530	1.61	24.38
Southwark and Vauxhall - - -	{ 1st February, Cab Rank, St. George's Church, Borough }	4.7	31.88	.180	.018	.001	.379	.398	3480	1.55	24.38
Grand Junction -	{ 1st February, Cab Rank, Woodstock-st. }	3.9	32.36	.180	.022	.001	.385	.408	3540	1.54	24.38
Lambeth - - -	{ 1st February, Cab Rank, Lambeth-road }	4.2	31.30	.184	.023	.000	.380	.403	3480	1.50	24.38
OTHER SOURCES.											
New River - - -	{ 1st February, Cab Rank, Tottenham- court-road }	4.7	31.70	.173	.017	.000	.350	.367	3180	1.52	26.13
East London - -	{ 2d February, Slater's Lamp Black Works, Old Ford-road }	5.3	36.00	.246	.024	.000	.394	.418	3620	1.90	26.13
Kent - - -	{ 2d February, Deptfd. Bdge, Police Stat. }	5.4	39.74	.073	.010	.000	.380	.390	3480	2.30	29.36
Thames water, fil- tered - - -	{ 8th Dec. 1869, London Bridge } at low water mid-stream		34.3	.558	.085	.103	.351	.521	4040	2.60	25.25
Manchester - - -	{ 29th January 1870 Manchester Water Supply }		5.74	.070	.007	.001	.000	.008	0	.80	2.48
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 1st of February at the Horse Guard's cab-rank had a temperature of 5.0°C.; 100,000 lbs. of it contained 31.62 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained .184 lb. of carbon and .019 lb. of nitrogen. This solid impurity also contained .383 lb. of nitrogen in the form of nitrates and nitrites, and no ammonia, whilst the total amount of combined nitrogen in every form was .402 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 3,510 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage or animal contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1.6 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 24.08 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of JANUARY 1870: thus, according to their account, 94,878,164 gallons or 431,075 cubic metres of water (equal to about as many tons by measure, tons by weight) were supplied daily; or 90.46 decalitres, rather less than a ton by weight, to each house, and 12.75 decalitres (= 28.1 gallons) to each person.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for do- mestic consumption) during the Month of	
	DECEMBER 1869.	JANUARY 1870.	DECEMBER 1869.	JANUARY 1870.
TOTAL SUPPLY	474,010	476,549	93,650,519	94,878,164
From Thames	219,194	219,539	48,441,889	48,277,089
From Lea and from other Sources	254,816	257,010	45,208,630	46,600,175
THAMES.				
Chelsea	27,435	27,435	7,523,700	7,302,300
West Middlesex	40,163	40,359	7,682,577	7,749,424
Southwark and Vauxhall	76,657	76,683	15,112,945	14,765,114
Grand Junction	30,929	30,929	9,257,767	9,577,551
Lambeth	44,010	44,131	8,864,900	8,883,600
LEA AND OTHER SOURCES.				
New River	117,212	117,363	20,788,000	21,223,000
East London	98,944	100,060	18,066,732	18,588,705
Kent	38,660	38,987	6,358,898	6,788,470

Note.—The Return for January 1870 as compared with that for December 1869 shows an increase of 2539 houses, and an increase of 1,227,645 gallons of water supplied daily.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the EIGHTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1964	1891	1965	1908	2000	2290	2350	2342	2315	2223	2124·8	2363
Males . .	977	1035	973	1012	1019	1144	1189	1178	1159	1153	1083·9	1225
Females .	987	856	992	896	981	1146	1161	1164	1156	1070	1040·9	1143
TOTAL Deaths	1500	1318	1415	1377	1677	1590	1630	1337	1336	1419	1459·9	1861
Males . .	748	661	703	701	828	804	912	678	683	709	742·7	955
Females .	752	657	712	676	849	786	718	659	653	710	717·2	906

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Dec. 4.	Dec. 11.	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.
TOTAL Deaths	1705	1759	1566	1357	1996	1697	1664	1652	1613	1828	1568	1716	1861
Deaths under 5 years of age	811	828	706	596	840	694	666	668	634	681	616	687	713
Deaths 5—20	178	138	127	130	157	105	115	109	125	134	117	123	120
Deaths 20—40	178	187	175	159	244	192	233	213	220	232	188	225	214
Deaths 40—60	243	260	237	212	297	256	271	254	255	332	279	298	313
Deaths 60—80	246	279	260	221	366	367	291	321	312	380	310	311	412
Deaths at 80 years & upwards	49	67	61	39	92	83	88	87	67	79	58	72	89
Deaths from Small-pox	10	11	8	5	7	8	12	8	5	11	4	10	14
" " Measles	40	35	26	31	59	30	40	41	28	28	23	17	18
" " Scarlet Fever	245	209	186	123	159	134	114	143	118	107	103	104	111
" " Diphtheria	4	8	8	7	9	5	8	8	7	5	3	3	5
" " Whooping-cough	63	71	62	65	57	67	58	55	67	79	65	61	79
" " Typhus fever	13	7	12	8	12	4	13	12	7	14	6	9	8
" " Enteric (or Ty- phoid) fever	18	14	16	14	18	13	14	12	17	9	22	21	11
" " Simple Contag-fever	18	19	16	16	21	18	23	15	11	12	5	9	13
" " Diarrhoea	19	13	14	14	22	19	13	15	8	17	11	20	15
" " Phthisis	153	148	157	119	207	133	179	175	180	193	170	191	226
" " Bronchitis	272	259	203	185	305	295	233	242	277	316	265	335	323
" " Pneumonia	106	122	103	87	120	102	116	87	81	114	74	109	90
" " Heart Disease	62	76	69	55	91	82	71	64	84	91	66	76	77
Mean Temperature of the Air	34·2	39·2	44·7	38·2	34·2	45·2	39·3	36·1	31·6	42·0	32·4	30·7	36·9
Mean Temperature of the Water of the Thames	39·7	36·3	40·0	41·6	33·4	39·5	41·0	39·1	37·7	39·9	37·8	31·5	33·2
Humidity of the Air	83	93	84	85	83	87	87	82	82	87	72	74	75
Rain-fall in inches	0·80	0·43	1·23	0·86	0·31	0·79	0·48	0·05	0·00	0·25	0·25	0·05	0·05

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 26th day of February 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Hectares.	Estimated Population in the middle of the Year 1870.	Persons to a Hectare. (1870.)	BIRTHS registered during the Week ending 26th Feb.	DEATHS registered during the Week ending 26th Feb.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM - - -	86,922	7,216,325	83	5232	4126	52°0	15°6	35°7	2°06	0·38	0·0
LONDON - - -	31,563	3,214,707	102	2368	1861	52°0	24°8	36°9	2°72	0°05	0·1
PORTSMOUTH - -	3,849	122,084	32	85	68	50°6	20°8	37°1	2°84	0°19	0·4
NORWICH - - -	3,024	81,087	27	48	37	48°0	25°2	35°5	1°95	0°29	0·7
BRISTOL - - -	1,897	171,882	90	142	119	48°1	25°9	37°9	3°28	0°12	0·3
WOLVERHAMPTON -	1,371	72,990	53	51	34	46°5	24°9	36°6	2°56	0°16	0·4
BIRMINGHAM - -	3,168	369,604	117	264	177	47°8	25°7	37°4	3°00	0°10	0·2
LEICESTER - - -	1,295	97,427	75	75	36	—	—	—	—	—	—
NOTTINGHAM - -	808	88,888	110	52	39	48°4	23°6	36°3	2°39	0°10	0·2
LIVERPOOL - - -	2,067	517,567	250	419	289	—	—	—	—	—	—
MANCHESTER - -	1,815	374,993	207	293	278	46°0	25°0	35°6	2°01	0°37	0·9
SALFORD - - -	2,093	121,580	58	92	72	45°3	25°0	35°7	2°06	0°45	1·1
BRADFORD - - -	2,667	143,197	54	120	66	44°8	24°3	35°8	2°12	0°32	0·8
LEEDS - - -	8,729	259,527	30	175	134	44°0	26°0	36°2	2°33	0°23	0·5
SHEFFIELD - - -	9,238	247,378	27	152	157	45°8	24°7	35°8	2°12	0°24	0·6
HULL - - -	1,441	130,869	91	101	57	45°0	22°0	34°3	1°28	0°51	1·3
SUNDERLAND - -	1,955	100,979	52	77	43	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	2,159	133,867	62	96	66	41°0	24°0	32°5	0°28	0°24	0·6
EDINBURGH - - -	1,791	178,970	100	112	95	44°7	19°0	31°6	-0°22	—	—
GLASGOW - - -	2,049	468,189	228	354	300	45°8	15°6	31°9	-0°06	2°36	5·9
DUBLIN - - -	3,943	321,540	82	156	198	49°5	27°5	40°1	4°50	0°27	0·6
PARIS . . .	7,802	1,889,842	242	—	1362	—	—	—	—	—	—
				Week ending 19 Feb. 1870.	Week ending 19 Feb. 1870.	Week ending 19th February 1870.					
VIENNA . . .	3,728*	605,200	162	—	345	—	—	36°1	2°25	—	—
				Week ending 24 Feb. 1870.	Week ending 24 Feb. 1870.	Week ending 24th February 1870.					
BERLIN . . .	6,253	702,437	112	639	434	—	—	30°0	-1°12	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 26th day of February 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public	
LONDON - - -	30	1861	382	501	11	18	111	5	79	32	15	48	117	31	
PORTSMOUTH - -	29	68	14	17	-	1	3	-	-	3	2	1	2		
NORWICH - - -	24	37	10	12	-	-	3	-	-	1	-	-	-		
BRISTOL - - -	36	119	24	29	-	11	1	1	5	-	1	-	4	1	
WOLVERHAMPTON -	24	34	3	11	-	-	2	-	-	-	-	1	-		
BIRMINGHAM - -	25	177	41	49	1	2	4	-	12	1	1	12	22	2	
LEICESTER - - -	19	36	14	10	-	-	3	-	-	1	-	1	3		
NOTTINGHAM - -	23	39	10	12	-	-	-	-	2	1	-	2	4		
LIVERPOOL - - -	29	289	83	65	-	1	18	-	4	8	-	16	20	4	
MANCHESTER - -	39	278	71	40	3	1	6	2	24	7	4	9	23	4	
SALFORD - - -	31	72	21	10	-	1	3	-	6	2	1	1	3		
BRADFORD - - -	24	66	12	14	-	-	2	1	1	-	-	2	6		
LEEDS - - -	27	134	46	24	-	1	4	-	7	1	-	4	6		
SHEFFIELD - - -	33	157	41	30	-	1	19	-	4	4	3	6	10	2	
HULL - - -	23	57	16	7	-	-	8	-	-	1	1	1	1		
SUNDERLAND - -	22	43	7	9	-	-	1	-	1	-	1	1	-		
NEWCASTLE-ON-TYNE	26	66	16	6	-	-	-	-	4	3	-	1	2		
DUBLIN - - -	32	198	23	56	-	1	8	-	1	7	4	14	19	6	

TABLE 5.—DEATHS in LONDON Registered in the EIGHTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Eighth Week in the 10 years 1860-69.	In the Week ending Saturday, February 26, 1870.							CAUSES OF DEATH.		Averages of the Eighth Week in the 10 years 1860-69.	In the Week ending Saturday, February 26, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.		40.	60.	80.	and upwards.				ALL AGES.	Under 20.		40.	60.	80.	and upwards.
				Mean Tem.	0-5.									5-20.	Mean Tem.					0-5.	5-20.
Mean Temperature		40.2	36.9	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature		40.2	36.9	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES		1459.9	1861	713	120	214	313	412	89										
SPECIFIED CAUSES		1441.5	1856	711	119	213	312	412	89										
SYMPTOMATIC DISEASES.																			
ORDER 1.																			
Small-pox		19.1	11	6	1	3	1	-	-										
Measles		23.3	18	15	3	-	-	-	-										
Scarlet Fever (Scarlatina)		41.0	111	70	35	6	1	-	-										
Diphtheria		10.5	5	4	-	-	-	-	-										
Quincy		1.9	-	-	-	-	-	-	-										
Croup		15.7	24	21	3	-	-	-	-										
Whooping-cough		63.6	79	78	1	-	-	-	-										
Typhus		-	8	-	-	-	-	-	-										
Enteric or Typhoid Fever		52.6	11	5	2	2	3	1	-										
Simple continued Fever		-	13	4	4	-	1	3	-										
Erysipelas		5.3	9	2	1	2	-	4	-										
Puerperal Fever (Metria)		4.0	8	-	-	8	-	-	-										
Carbuncle		1.0	2	-	-	-	1	1	-										
Influenza		1.5	-	-	-	-	-	-	-										
Dysentery		2.2	2	1	-	-	1	-	-										
Diarrhoea		13.7	15	12	1	-	-	2	-										
Simple Cholera		.5	-	-	-	-	-	-	-										
Ague		.4	-	-	-	-	-	-	-										
Remittent Fever		.9	-	-	-	-	-	-	-										
Rheumatism		.9	12	-	4	4	1	3	-										
Other Zymotic Diseases		.2	-	-	-	-	-	-	-										
ORDER 2.																			
Syphilis		7.4	5	5	-	-	-	-	-										
Stricture of Urethra		1.2	-	-	-	-	-	-	-										
Hydrophobia		.1	-	-	-	-	-	-	-										
Glanders		-	-	-	-	-	-	-	-										
ORDER 3.																			
Privation		.4	1	-	-	-	1	-	-										
Want of Breast-milk		7.1	3	3	-	-	-	-	-										
Furpura and Scurvy		1.7	1	1	-	-	-	-	-										
Alco- & Del. Tremens		2.4	2	-	-	2	-	-	-										
Olism & Intemperance		1.7	-	-	-	-	-	-	-										
ORDER 4.																			
Thrush		2.7	-	-	-	-	-	-	-										
Worms, &c.		-	-	-	-	-	-	-	-										
CONSTITUTIONAL DIS.																			
ORDER 1.																			
Gout		1.3	4	-	-	-	1	3	-										
Dropsy		15.1	16	3	3	2	3	7	-										
Cancer		27.7	52	-	-	1	3	22	23	3									
Cancerum Oris (Noma)		1.0	-	-	-	-	-	-	-										
Mortification		4.9	4	-	-	-	-	1	3										
ORDER 2.																			
Scrophula		8.6	8	5	-	-	3	-	-										
Tabes Mesenterica		14.8	18	17	1	-	-	-	-										
Phthisis		164.8	226	10	18	94	85	19	-										
Hydrocephalus		33.5	27	24	3	-	-	-	-										
LOCAL DISEASES.																			
ORDER 1.																			
Cephalitis		14.3	26	16	5	2	1	2	-										
Apoplexy		36.2	51	5	1	4	15	23	3										
Paralysis		32.5	34	1	1	1	4	21	6										
Insanity		2.2	2	-	-	-	1	1	-										
Chorea		.1	-	-	-	-	-	-	-										
Epilepsy		7.0	5	-	1	2	1	1	-										
Convulsions		59.5	83	81	2	-	-	-	-										
Brain Disease, &c.		17.5	15	2	1	2	6	3	1										
ORDER 2.																			
Pericarditis		2.6	5	-	1	1	3	-	-										
Aneurism		2.2	4	-	-	3	1	-	-										
Heart Disease, &c.		65.8	77	1	2	8	28	38	2										
ORDER 3.																			
Laryngitis		8.7	18	17	1	-	-	-	-										
Bronchitis		200.9	323	87	5	11	65	132	23										
Pleurisy		2.7	4	-	1	2	-	1	-										
Pneumonia		88.5	90	52	5	11	11	8	3										
Asthma		16.5	23	-	-	2	9	15	-										
Lung Disease, &c.		12.7	28	13	4	1	2	8	-										
ORDER 4.																			
Gastritis		2.2	1	-	-	-	-	1	-										
Enteritis		3.9	4	2	-	1	-	1	-										
Peritonitis		4.9	6	-	1	2	1	2	-										
Ascites		2.1	1	-	-	1	-	-	-										
Ulceration of Intestines		2.5	1	-	-	1	-	-	-										
Hernia		3.1	1	-	-	-	-	1	-										
Hæm-		3.1	2	1	-	-	-	1	-										
Intussusception		1.1	1	-	-	-	1	-	-										

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, and from other Zymotic Diseases, during the Week ending,

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
LONDON	2,803,989	2368	1861	382	501	11	18	111	5	79	8	11	13	15	48	117	31
WEST DISTRICTS	458,125	351	318	65	90	-	2	10	2	14	1	3	3	4	10	23	6
NORTH DISTRICTS	618,210	538	410	78	126	6	6	32	1	12	3	5	1	2	11	25	5
CENTRAL DISTRICTS	383,321	229	237	42	64	-	1	9	-	3	-	1	2	-	5	21	5
EAST DISTRICTS	571,153	536	392	88	92	3	3	19	-	32	3	2	5	4	11	34	6
SOUTH DISTRICTS	773,175	724	504	111	129	2	6	41	2	18	1	-	2	5	11	14	8
WEST DISTRICTS.																	
St. Mary Paddington WH	39015	30	31	8	9	-	-	2	-	8	-	-	-	2	-	1	-
St. John Paddington H	33789	21	13	1	5	-	-	-	-	-	-	-	-	-	-	-	-
Kensington Town W	51940	19	30	11	10	-	1	12	-	-	-	-	-	-	1	2	4
Brompton H	18198	19	16	2	3	-	-	-	-	1	-	-	-	-	-	-	-
St. Peter Hammersmith	5415	6	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith	19104	32	16	4	4	-	-	1	-	1	-	-	-	-	-	2	-
Fulham W	15539	15	13	2	7	-	-	-	-	2	-	-	-	-	-	-	-
Chelsea South H	21654	22	20	7	5	-	1	-	1	-	-	1	-	-	-	1	2
Chelsea North-west HW	19899	19	22	2	11	-	2	-	1	-	-	-	-	-	-	1	14
Chelsea North-east	21886	9	9	1	3	-	-	1	-	-	-	-	-	-	-	-	-
Hanover Square	19773	10	10	3	3	-	-	-	-	-	-	-	-	1	-	1	-
May Fair W	12885	8	15	2	7	-	-	-	-	-	-	-	-	-	1	1	8
Belgrave H	55113	37	38	8	7	-	-	2	1	-	-	-	1	1	3	8	11
St. John Westminster	37483	30	26	7	3	-	-	-	-	5	-	1	1	-	-	1	2
St. Margaret Westminster WH	30730	13	16	4	3	-	-	-	-	-	-	-	-	-	2	3	6
St. James's Square	10753	4	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Golden Square W	13996	1	6	-	3	-	-	-	-	-	-	-	-	-	1	3	4
Berwick-street	10807	5	5	2	2	-	-	-	-	1	-	-	-	-	-	-	-
St. Anne Soho	17423	15	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																	
All Souls Marylebone H	29952	21	16	5	4	-	-	2	-	-	-	-	-	-	-	-	-
Cavendish Square	15090	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W	26692	19	31	3	11	-	1	-	-	-	-	-	-	-	-	1	10
St. Mary Marylebone	22493	35	12	4	2	-	-	3	-	-	-	-	-	-	-	-	-
Christchurch Marylebone	34538	23	17	5	3	-	-	1	-	-	-	-	-	-	1	1	-
St. John Marylebone	32540	20	14	4	4	-	-	1	-	-	-	-	-	-	-	-	-
Hampstead W	19106	17	15	2	6	-	1	3	-	1	-	-	-	-	-	-	1
Regent's Park Pancras	34927	17	22	2	10	-	-	3	-	-	-	3	-	-	1	2	-
Tottenham-court WH	29371	19	19	3	5	-	1	1	-	-	-	-	-	-	1	2	5
Gray's Inn Lane H	27833	13	16	5	3	-	-	1	-	-	-	1	-	-	1	5	-
Somers Town	39099	29	23	3	11	-	-	-	-	-	-	-	-	-	1	1	10
Camden Town W	23266	23	17	1	8	-	-	-	-	-	-	-	-	-	1	1	-
Kentish Town	44317	49	50	15	14	1	1	6	-	1	-	-	1	1	2	7	-
Islington West WHH	75442	98	58	8	14	5	-	3	1	2	3	-	-	1	1	2	10
Islington East WH	79890	67	47	10	13	-	2	3	-	8	-	-	-	-	2	3	3
Stoke Newington	6608	6	5	-	1	-	-	2	-	-	-	-	-	-	-	-	-
Stamford Hill	5483	3	5	-	2	-	-	-	-	-	-	1	-	-	-	-	-
West Hackney	24265	23	6	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Hackney WH	31481	24	16	3	8	-	-	-	-	-	-	-	-	-	-	1	4
South Hackney L	15453	16	15	4	4	-	-	3	-	-	-	-	-	-	-	-	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury	17392	9	9	1	3	-	-	-	-	-	-	-	-	-	1	-	-
St. Giles South W	19483	21	23	3	6	-	-	1	-	-	-	-	-	-	1	2	11
St. Giles North	17201	12	8	-	1	-	-	-	-	-	-	-	-	-	1	1	-
Long Acre	11618	5	7	2	1	-	-	-	-	1	-	-	-	-	-	1	-
Charing Cross WH	11071	1	15	-	7	-	-	-	-	-	-	-	1	-	-	2	13
St. Mary-le-Strand	10346	4	4	-	1	-	-	1	-	-	-	-	-	-	-	-	-
St. Clement Danes H	15207	4	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-
St. George-the Martyr H	19903	19	15	1	5	-	-	2	-	-	-	-	-	-	1	-	1
St. Andrew East Holborn W	12947	17	25	3	12	-	-	-	-	-	-	-	-	-	1	1	16
Saffron Hill	12912	4	2	-	7	-	-	1	-	-	-	1	-	-	-	-	2
St. James Clerkenwell W	19152	14	15	7	5	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell	17250	11	13	1	4	-	-	1	-	-	-	-	-	-	-	4	-
Pentonville	13079	9	8	3	2	-	-	1	-	-	-	-	-	-	-	-	-
Goswell-street	16200	14	12	5	2	-	-	-	-	-	-	-	-	-	-	3	-
Old-street	11594	13	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
City-road HL	17860	19	11	3	2	-	-	-	-	-	-	-	1	-	1	3	1
Whitecross street	14733	10	8	1	1	-	-	-	-	-	-	-	-	-	-	2	-
Finsbury	12931	7	9	1	2	-	-	-	-	1	-	-	-	-	-	-	-
St. Botolph East London	20990	13	11	2	2	-	-	1	-	1	-	-	-	-	-	-	-
Cripplegate	19897	9	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre WH	11750	4	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Bride	15395	8	7	1	3	-	1	1	-	-	-	-	-	-	-	-	6
Castle Baynard	7762	1	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch	9020	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe	8570	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking	8659	1	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street	11544	3	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 Sunday, 26th February 1870.

The DEATHS registered in the Week include																	
REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																	
Ipswell Shoreditch	17813	7	7	1	-	-	-	2	-	-	-	-	-	-	-	2	-
Leonard Shoreditch Lt	19188	13	14	3	3	-	-	1	-	3	-	-	-	-	-	-	3
Hoxton New Town W	26516	27	19	5	7	-	-	1	-	4	-	-	2	-	-	-	4
Hoxton Old Town	25777	24	20	4	5	-	-	1	-	1	-	-	-	-	1	2	-
Wallerstone West W	23260	23	13	4	4	-	-	-	-	1	-	-	-	1	-	-	4
Wallerstone East	17310	15	7	2	3	-	-	-	-	2	-	-	-	-	-	-	-
Hackney-road	26298	23	15	7	1	-	-	1	-	4	1	-	-	-	-	-	-
St. Paul, Bethnal Green WLt	31789	36	33	7	11	-	-	2	-	2	-	-	-	-	-	14	-
St. Paul, Bethnal Green	25528	20	9	3	-	-	-	2	-	-	-	-	-	-	-	-	-
St. Paul, Bethnal Green	21486	23	11	4	2	-	-	-	-	-	-	-	-	-	-	-	-
Hillery Whitechapel	6587	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Whitechapel	15700	8	11	5	3	-	-	-	-	1	-	-	-	-	-	2	-
Mile End New Town W	15392	5	14	2	5	-	-	-	-	-	-	1	-	-	1	4	8
Whitechapel North	12122	11	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church H	8463	9	10	1	-	-	-	-	-	-	-	-	-	-	2	2	9
St. Paul's Fields	11166	10	8	2	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul's Fields	9071	6	12	3	4	-	-	-	-	1	-	-	-	-	1	3	-
Mary St. George East	18181	13	11	1	-	-	-	-	-	2	-	-	-	-	-	1	-
Paul St. George East	21015	20	9	2	1	-	1	-	-	1	-	-	-	-	1	2	-
John St. George East W	9695	7	9	4	1	-	-	-	-	-	-	-	-	-	1	1	3
St. Paul W	12537	2	6	1	2	-	-	-	-	1	-	-	-	-	1	2	1
St. Paul W	16874	18	8	4	2	-	-	-	-	-	-	-	-	-	1	2	1
St. Paul W	27161	22	20	4	4	-	1	-	-	1	1	-	-	-	1	2	-
Mile End Old Town West	33747	37	18	5	1	-	-	1	-	-	-	-	-	-	-	2	-
Mile End Old Town East W	38317	35	39	6	12	2	-	2	-	3	-	-	1	1	1	2	9
Wallerstone Lt	35687	54	30	3	8	-	1	1	-	1	-	-	-	1	2	3	5
Wallerstone	43529	41	31	2	8	1	-	3	-	2	1	2	1	1	-	2	3
SOUTH DISTRICTS.																	
St. Paul Southwark	17069	18	9	1	2	-	-	1	1	-	-	-	-	-	-	-	2
Saviour Southwark H	19101	19	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul-road	19652	6	10	1	3	-	-	-	-	1	1	-	-	-	-	-	-
St. Paul-road W	16608	16	20	3	9	-	-	1	-	-	-	-	-	-	-	-	11
St. Paul-road L	19190	19	8	-	2	-	-	1	-	-	-	-	-	-	-	-	1
St. Paul Newington	22675	18	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Peter Walworth W	44463	31	34	3	7	-	-	6	-	-	-	-	-	2	1	1	7
Mary Newington H	15082	11	12	2	2	-	-	2	-	-	-	-	-	-	1	2	5
St. Paul Southwark H	7683	-	10	-	2	-	-	1	-	-	-	-	-	-	2	2	10
St. Paul Horsleydown W	11393	6	10	1	4	-	-	1	-	-	-	-	-	-	-	2	2
St. Paul Market	16696	15	5	1	2	-	-	-	-	-	-	-	-	-	-	1	-
Mary Magdalen W	16595	16	14	4	8	-	-	1	-	-	-	-	-	-	1	1	7
St. Paul James Bernardsey	25154	53	27	9	2	-	-	1	4	-	-	-	-	-	1	-	-
St. Paul Northwark	24502	11	13	3	4	-	-	1	-	-	-	-	-	-	-	-	-
St. Paul-road 1st	18269	14	7	2	3	-	-	1	-	1	-	-	-	-	-	-	-
St. Paul-road 2nd	18840	17	7	3	-	-	-	-	-	-	-	-	-	1	-	-	-
St. Paul Church 1st	19839	15	6	-	1	-	-	-	-	2	-	-	-	-	-	-	-
St. Paul Church 2nd W	29542	41	34	9	10	-	-	-	-	-	-	-	-	1	2	1	15
St. Paul 1st	30785	22	19	4	5	-	-	1	-	-	-	-	-	-	-	-	-
St. Paul 2nd	20440	16	11	2	3	-	-	-	-	1	-	-	-	-	-	-	-
St. Paul	20067	36	15	1	5	-	-	4	-	-	-	-	-	-	-	-	-
St. Paul W	7462	10	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul	20894	17	8	2	2	-	-	1	-	1	-	-	-	-	-	-	-
St. Paul W	19600	49	34	10	6	-	-	1	4	-	-	-	1	-	2	2	4
St. Paul L	18346	9	8	2	4	-	-	-	-	1	-	-	-	-	-	-	-
St. Paul	6481	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul	10082	15	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Paul	1723	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul WLt Lt	21297	23	20	4	5	-	-	-	-	1	-	-	-	-	-	1	11
St. Paul	28135	30	19	6	5	-	-	1	-	2	-	-	-	-	1	1	-
St. Paul George Camberwell	20833	20	17	4	3	2	-	3	-	-	-	-	-	-	2	2	-
St. Paul	37834	36	25	14	1	-	3	2	-	2	-	-	-	-	-	-	-
Nicholas Deptford	8139	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul West H	21696	16	15	5	5	-	-	-	1	-	-	-	-	-	-	-	1
St. Paul East WH	18306	15	11	-	6	-	-	1	-	-	-	-	-	-	-	-	4
St. Paul	3009	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul	11093	5	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Village W	7372	7	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul	10595	8	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul	9276	6	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Dockyard H	22019	14	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Arsenal H	18776	17	9	4	2	-	-	2	-	1	-	-	-	-	-	-	-
St. Paul West	-	9	6	1	2	-	-	1	-	-	-	-	-	-	-	-	-
St. Paul East	24502	3	9	-	2	-	-	1	-	1	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by W):

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
 The Strand " " Tottenham-court sub-district.
 London City " " Islington East.
 Do. do. " " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.
 Mile End Old Town Eastern sub-district. and
 Bow sub-district.
 Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS TAKEN AT THE ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 26th FEBRUARY, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.						DIFFERENCE				WIND.				RAIN.			
Phases of Moon.	Day.	Mean daily reading corrected to 32 deg. F. (height).	in.	Dry.				Dew Point.	Highest in the sun, as shown by a thermometer.	Lowest on the Grass, as shown by a thermometer.	In the Water of the Thames at Greenwich, by self-registering thermometers.	Between		As deduced from Anemometers.		Collected in Gauge whose receiving surface is 1 sq. ft. above the ground.	Ozone.				
				High-est.	Low-est.	Range in day.	Mean daily value.					Mean daily value.	Air Temperature	Between mean temperature of the day and the same day, on an average, of 50 years.*	Degree of midday, complete saturation being seized by 100.			Osiers.		Robertson's, complete Saturation.	
																		General Direction.	Pressure on square foot.		Amount of Movement of Air each day.
												Mean daily value.	Greatest est.	P.M.	A.M.	Greatest est.	Mean of 21 Obs.	lbs.	lbs.	Miles.	Inches

NOTES.

The height of the cistern of the barometer is considered to be 153 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's first glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each, and the average temperature of the air is obtained by the addition of the four readings, and dividing by 4. The temperature of the Royal Observatory, Greenwich, in the 50 years ending 1853, December 31, is taken as the basis of comparison. In reading the 7th column, the words "high" and "low" are to be understood as referring to the temperature of the air, and not to the height of the barometer.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight. The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship. The reading of the barometer increased from 29-40 in. at the beginning of the week to 29-47 in. by 10h. A.M. on the 22d; decreased to 29-39 in. by 3h. P.M. on the 24th; increased to 29-51 in. by 9h. A.M. on the 26th; decreased to 29-20 in. by 3h. P.M. on the 24th; increased to 29-51 in. by 9h. A.M. on the 25th; decreased to 29-30 in. by 9h. A.M. on the 26th; and was 29-46 in. by the end of the week.

SKY AND ATMOSPHERE.

Generally cloudy. Foggy in the morning.

Overcast till evening, then cloudless. Rain fell in the early morning hours, and snow fell in the afternoon and at night.

A very fine day; generally cloudless.

Fine, and partially cloudy during the morning; overcast throughout the day, and rain fell occasionally. Between 9h. P.M. and 10h. P.M. the clouds were illuminated by auroral light.

Fine; light clouds prevailed till evening; afterwards cloudless.

A fine day; very little cloud prevailed till evening; generally cloudy afterwards. A solar halo was seen more or less distinctly from 5h. 50m. A.M. till sunset.

Partially cloudy. A portion of a faint solar halo was seen at 9h. A.M. A little rain fell in the afternoon and evening.

ELECTRICITY.

The insulating lamp was not burning.

No electricity was shown.

The insulating lamp was not burning.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 9. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, MARCH 5. [Price 1d.

*General Register Office, Somerset House,
7th March 1870.*

IN the week that ended on Saturday, 5th March, 5199 BIRTHS and 3839 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 28 per 1000 persons estimated to be living, against 29 and 30 in the two previous weeks.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow:—20 per 1000 in Birmingham and Leicester, 22 in Sunderland, 24 in Hull, 25 in Salford, 26 in Newcastle-upon-Tyne and Bristol, 27 in Norwich, London, and Liverpool, 28 in Bradford, Leeds, and Wolverhampton, 31 in Manchester and Sheffield, and, the highest rate during the week, 32 per 1000 in Portsmouth and Nottingham. The deaths returned last week in the above 17 large English towns showed a decline of 286 upon those in the previous week. The greater portion of this decrease occurred in London, Manchester, Birmingham, and Bristol. To the seven principal diseases of the zymotic class (see Table 4.) 453 deaths were referred last week in the 17 towns, against 529 and 492 in the two previous weeks. Of the 453 last week, 173 resulted from scarlet fever, 117 from whooping-cough, 72 from different forms of fever, 33 from measles, and 9 from small-pox. Although the fatal cases of scarlet fever showed a considerable decline in London last week, they were somewhat more numerous in Liverpool, Leeds, Sheffield, and Hull.

The deaths registered last week in Edinburgh were at the annual rate of 31 per 1000 persons living, in Glasgow 36 per 1000, and in Dublin 29.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 37 per 1000 persons living. The deaths in Berlin in the seven days ending Thursday, 3d inst., gave an annual rate of 32 per 1000, and in Vienna during the week ending 26th ult. a rate of 27 per 1000. Small-pox shows increasing fatality in Paris, 97 deaths being recorded last week, against 83 and 79 in the two previous weeks.

IN LONDON the BIRTHS of 1157 boys and 1102 girls, in all 2259 children, were registered last week. In the corresponding weeks of ten years 1860-69 the average number, corrected for increase of population, was 2339.

The DEATHS registered in LONDON during the week were 1673. It was the ninth week of the year; and the average number of deaths for that week was, with a correction for increase of population, 1571. The deaths in the present return exceed by 102 the estimated number.

The deaths from zymotic diseases were 289, the corrected average number being 322. Eight deaths from small-pox, 21 from measles, 78 from scarlet fever, 8 from diphtheria, 58 from whooping-cough, 6 from typhus fever, 14 from enteric (or typhoid) fever, 7 from simple continued fever, 8 from relapsing fever, and 16 from diarrhoea were registered.

Of the eight deaths from relapsing fever, 4 occurred in the Fever Hospital, Hampstead, one in the sub-district of Battersea, one in the sub-district of Rotherhithe, one in the sub-district of St. James Bermondsey, and one in the sub-district of Woolwich Dockyard.

The mortality from scarlet fever was the lowest that has been recorded in any week since that which ended on 24th July 1869. During the 32 weeks that have elapsed since that date, the deaths from scarlet fever have amounted to 5255.

The wife of a shopman died on 27th February at 17 Little Russell-street, Bloomsbury, from "scarlet fever." The Registrar remarks:—"This death occurred in the same house in which 2 children of another lodger died from scarlet fever on 5th and 7th February respectively. The deceased woman had assisted in attending them."

The deaths from small-pox were less by 3, and the deaths from whooping-cough were fewer by 21 than in the preceding week.

One hundred and seventy-one persons died from phthisis, 305 from bronchitis, and 89 from pneumonia.

The deaths of 7 children and 4 adults from burns or scalds, of 3 persons from drowning, of 15 infants and 3 adults from suffocation, and of 4 persons who committed suicide were registered.

The following deaths of 6 persons whose deaths were caused or accelerated by privation, or by exposure, were registered:—

HOLBORN; *St. James*.—At 22 Clerkenwell-close, on 14th February, a needle woman, aged 45 years, "exhaustion, accelerated by exposure and want." *Post mort. (Inquest.)*

BETHNAL GREEN; *Town*.—At 24 Club-row, on 2d February, the widow of an archery manufacturer, aged 40 years, "sudden, disease of lungs, accelerated by want of proper and sufficient nourishment." *Post mort. (Inquest.)*

In same sub-district.—At Tyssen-street, on 31st January, a shoe maker, aged 39 years, "sudden, disease of heart, want and exposure." *Post mort. (Inquest.)*

In same sub-district.—At 2 George-street, on 20th February, a silk weaver, aged 47 years, "sudden, chronic bronchitis, accelerated by want and privation." *(Inquest.)*

ST. GEORGE-IN-THE-EAST; *St. Paul*.—At 2 New-court, on 25th February, the son of a charwoman, aged 2 years, "sudden, mesenteric disease, accelerated by want." *Post mort. (Inquest.)*

BETHNAL GREEN; *Hackney-road*.—At 6 Clair-cottages, on 10th February, a lithograph printer, aged 50 years, "sudden, congestion of lungs from exposure to cold."

Two of the deaths by privation and one death in the street occurred some weeks ago. The information is supplied by the coroners, who do not always, as they should, send their returns to the Registrar on the day the verdict is delivered.

The following deaths of 6 persons who were killed by horses or vehicles in the streets were registered:—

An ostler, aged 26 years, "rupture of intestines whilst riding a horse, and running against a van." Died on 23d February in St. Mary's Hospital. *Post mort. (Inquest.)*

A gentleman, aged 49 years, "run over by a Hansom cab." Died on 26th February in the Seven-sisters-road, Stoke Newington. *(Inquest.)*

A clerk in the Post Office, aged 43 years, "knocked down by a Hansom cab-horse." Died on 21st February in Charing Cross Hospital. *Post mort. (Inquest.)*

The son of a cabinet maker, aged 6 years, "rupture of liver; run over by horse and van." Died on 1st February in St. John-street, Clerkenwell. *Post mort. (Inquest.)*

The son of a painter, aged 7 years, "ruptured liver; run over." Died on 24th February in the London Hospital. *Post mort. (Inquest.)*

A labourer, aged 36 years, "run over by a waggon." Died on 26th February at Shooter's Hill, Plumstead. *(Inquest.)*

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29.551 in. The barometrical reading increased from 29.34 in. on Sunday, 27th February, to 30.13 in. by the end of the week. The mean temperature of the air in the week was 45.8°, which is 5.7° above the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was 61.1° on Wednesday, 2d March. The lowest night temperature was 32.5° on Friday 4th, and Saturday, 5th March. The entire range of temperature in the week was, therefore, 28.6°. The mean temperature was 10.2° above the average on Monday, 28th February, 10.7° on Tuesday, 1st March, and 12.8° on Wednesday, 2d March. On Friday, 4th March, the mean temperature was 5.2° below the average. The mean of the highest temperatures of the water of the Thames was 41.5°; that of the lowest was 39.0°. The difference between the mean dew-point temperature and air temperature was 4.3°. The mean degree of humidity of the air was 85, complete saturation being represented by 100. Rain fell to the amount of 1.22 in., of which 0.99 in. fell on Friday, 4th March. The general direction of the wind was S.S.W. and N.E. A portion of a solar halo was seen at 10 A.M. on Saturday, 5th March.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 290,922 cubic metres, and at Barking 161,737 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the NINTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1773	2028	1905	2240	2139	2242	2087	2215	2324	2307	2126·0	2259
Males . . .	877	1020	965	1163	1120	1125	1026	1126	1206	1144	1077·2	1157
Females . .	896	1008	940	1077	1019	1117	1061	1089	1118	1163	1048·8	1102
TOTAL Deaths	1442	1233	1322	1440	1766	1482	1545	1295	1266	1487	1428·3	1673
Males . . .	713	643	679	733	910	763	762	670	668	740	728·1	811
Females . .	729	595	643	707	856	719	783	625	598	747	700·2	862

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Dec. 11.	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.
TOTAL Deaths - - -	1759	1566	1357	1996	1697	1664	1652	1613	1828	1568	1716	1861	1673
Deaths under 5 years of age -	828	706	596	840	694	666	668	634	681	616	687	713	640
Deaths 5—20 - - -	138	127	130	157	105	115	109	125	134	117	123	120	116
Deaths 20—40 - - -	187	175	159	244	192	233	213	220	222	188	225	214	219
Deaths 40—60 - - -	260	237	212	297	256	271	254	255	332	279	298	313	286
Deaths 60—80 - - -	279	260	221	366	367	291	321	312	380	310	311	412	341
Deaths at 80 years & upwards	67	61	39	92	83	88	87	67	79	58	72	89	73
Deaths from Small-pox -	11	8	5	7	8	12	8	5	11	4	10	11	8
" " Measles - - -	35	26	31	59	30	40	41	23	28	23	17	18	21
" " Scarlet Fever -	209	186	123	159	134	114	143	118	107	103	104	111	73
" " Diphtheria - -	8	8	7	9	5	8	8	7	5	3	3	5	8
" " Whooping-cough	71	62	65	57	67	53	55	07	79	65	61	79	58
" " Typhus fever -	7	12	8	12	4	13	12	7	14	6	9	8	6
" " Enteric (or Typhoid) fever -	14	16	14	18	13	14	12	17	9	22	21	11	14
" " Simple Contag. fever -	19	16	16	21	18	23	15	11	12	5	9	13	15
" " Diarrhoea - - -	13	14	14	22	19	13	15	8	17	11	20	15	16
" " Phthisis - - -	148	157	119	207	138	179	175	180	198	170	191	226	171
" " Bronchitis - - -	259	203	185	305	295	233	242	277	316	265	335	323	305
" " Pneumonia - - -	122	103	87	120	102	116	87	81	114	74	109	90	89
" " Heart Disease -	76	69	55	91	82	71	64	84	91	66	76	77	76
Mean Temperature of the Air	39·2	44·7	38·2	34·2	45·2	39·3	36·1	31·6	42·0	32·4	30·7	36·9	45·8
Mean Temperature of the Water of the Thames	36·3	40·0	41·6	33·4	39·5	41·0	39·1	37·7	39·9	37·8	31·5	33·2	40·2
Humidity of the Air - -	93	84	85	83	87	87	82	82	87	72	74	75	85
Rain-fall in inches - -	0·43	1·23	0·86	0·31	0·79	0·48	0·05	0·00	0·25	0·25	0·05	0·05	1·22

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for these cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thurstans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Philliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyaill, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 5th day of March 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Hectares.	Estimated Population in the middle of the Year 1870.	Persons to a Hectare. (1870.)	BIRTHS registered during the Week ending 5th Mar.	DEATHS registered during the Week ending 5th Mar.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM -	86,922	7,216,325	83	5199	3839	61·1	25·0	41·8	5·45	1·16	2·9
LONDON - - -	31,563	3,214,707	102	2259	1673	61·1	32·5	45·8	7·67	1·22	3·1
PORTSMOUTH - - -	3,849	122,084	32	77	75	60·7	31·5	44·6	7·01	0·88	2·2
NORWICH - - -	3,024	81,087	27	50	42	58·0	32·0	43·6	6·45	0·23	0·3
BRISTOL - - -	1,897	171,382	90	119	85	56·2	32·1	45·1	7·28	1·20	3·0
WOLVERHAMPTON -	1,371	72,900	53	51	39	55·4	31·3	41·3	5·17	1·20	3·0
BIRMINGHAM - - -	3,168	369,604	117	229	140	53·4	32·0	42·0	5·56	1·12	2·8
LEICESTER - - -	1,295	97,427	75	86	37	57·0	29·7	42·3	5·73	0·91	2·3
NOTTINGHAM - - -	808	88,888	110	50	55	56·6	30·5	41·7	5·39	1·08	2·7
LIVERPOOL - - -	2,067	517,567	250	358	272	53·7	30·9	40·7	4·83	0·98	2·4
MANCHESTER - - -	1,815	374,993	207	281	219	56·2	30·0	42·3	5·73	1·09	2·7
SALFORD - - -	2,093	121,580	58	100	59	55·5	31·1	41·8	5·45	1·16	2·9
BRADFORD - - -	2,667	143,197	54	113	76	53·8	30·5	40·9	4·94	1·12	2·8
LEEDS - - -	8,729	259,527	30	233	139	56·0	32·0	42·2	5·67	1·15	2·9
SHEFFIELD - - -	9,238	247,378	27	191	148	55·0	30·0	40·8	4·89	1·02	4·1
HULL - - -	1,441	130,869	91	81	59	56·0	26·0	40·5	4·72	1·41	3·5
SUNDERLAND - - -	1,955	100,979	52	81	43	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	2,159	133,367	62	130	65	52·0	32·0	39·4	4·11	0·48	1·2
EDINBURGH - - -	1,791	178,970	100	129	108	50·7	25·0	38·0	3·33	0·80	2·0
GLASGOW - - -	2,049	468,189	228	395	324	49·8	30·0	38·9	3·83	2·85	7·2
DUBLIN - - -	3,943	321,540	82	177	181	55·0	31·5	41·4	5·22	1·53	3·8
PARIS - - -	7,802	1,889,842	242	—	1337	—	—	—	—	—	—
				Week ending 26 Feb. 1870.	Week ending 26 Feb. 1870. 310	Week ending 26th February 1870.					
VIENNA - - -	3,728*	605,200	162	—	—	—	—	34·0	1·12	—	—
				Week ending 3 Mar. 1870. 626	Week ending 3 Mar. 1870. 432	Week ending 31 March 1870.					
BERLIN - - -	6,253	702,437	112	—	—	—	—	39·9	4·38	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 5th day of March 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Houses.
LONDON - - -	27	1673	330	413	8	21	78	8	58	35	16	53	127	25
PORTSMOUTH - - -	32	75	21	14	—	—	4	1	—	2	1	2	3	1
NORWICH - - -	27	42	9	18	—	1	1	—	1	—	—	3	4	—
BRISTOL - - -	26	85	28	22	—	3	1	—	5	—	1	2	4	—
WOLVERHAMPTON -	28	39	6	13	—	—	—	12	1	—	1	1	2	1
BIRMINGHAM - - -	20	140	38	35	—	2	2	—	9	2	—	12	25	1
LEICESTER - - -	20	37	13	11	—	—	1	—	—	—	1	1	2	—
NOTTINGHAM - - -	32	55	18	13	—	1	1	—	2	2	—	1	3	—
LIVERPOOL - - -	27	272	76	69	—	—	21	2	4	7	4	11	14	3
MANCHESTER - - -	31	219	41	28	—	1	9	—	18	8	3	3	16	3
SALFORD - - -	25	59	18	9	1	—	3	—	5	1	5	1	4	—
BRADFORD - - -	28	76	17	13	—	—	4	—	1	2	1	—	—	—
LEEDS - - -	23	139	31	27	—	—	14	—	6	3	1	8	12	1
SHEFFIELD - - -	31	148	44	21	—	3	20	—	6	5	1	1	5	1
HULL - - -	24	59	17	15	—	—	9	—	—	1	1	3	3	—
SUNDERLAND - - -	22	43	11	12	—	—	3	—	—	1	—	1	—	—
NEWCASTLE-ON-TYNE	26	65	12	16	—	1	2	—	1	3	—	2	3	1
DUBLIN - - -	29	181	20	50	—	1	5	—	1	8	3	6	5	6

TABLE 5.—DEATHS in LONDON Registered in the NINTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Ninth Week in the 10 years 1860-69.	In the Week ending Saturday, March 5, 1870.							CAUSES OF DEATH.		Averages of the Ninth Week in the 10 years 1860-69.	In the Week ending Saturday, March 5, 1870.								
			Deaths of Persons of the Ages										Deaths of Persons of the Ages								
			ALL AGES.	Under 20.		40 and under 60.		60 and under 80.					ALL AGES.	Under 20.		40 and under 60.		60 and under 80.			
				Mean Temp.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.					80 Years and upwards.	Mean Temp.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
Mean Temperature		40°7	45°8	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature		40°7	45°8	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES		1428°3	1673	640	116	218	286	341	72	9. Stricture of Intestines		1°3	-	-	-	-	-	-	-		
SPECIFIED CAUSES		1416°6	1664	636	116	217	284	339	72	10. Fistula		7	1	-	-	-	-	-	-		
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		6°7	1	-	-	-	-	-	-		
ORDER 1.										12. Pancreas Disease, &c.		1	-	-	-	-	-	-	-		
Small-pox		20°9	8	2	3	1	1	1	-	13. Hepatitis		3°4	5	-	-	-	-	-	-		
Measles		24°1	21	21	-	-	-	-	-	14. Jaundice		3°4	8	5	-	1	1	1	-		
Scarlet Fever (Scarlatina)		43°2	78	47	27	4	-	-	-	15. Liver Disease, &c.		17°6	21	-	-	3	12	6	-		
Diphtheria		9°9	8	4	3	1	-	-	-	16. Spleen Disease, &c.		4	-	-	-	-	-	-	-		
Quincy		1°2	1	-	-	-	-	-	-	ORDER 5.											
Croup		16°8	14	13	1	-	-	-	-	1. Nephritis		1°1	3	-	-	2	1	-	-		
Whooping-cough		64°6	58	55	3	-	-	-	-	2. Ischuria		2	-	-	-	-	-	-	-		
Typhus		49°1	6	-	2	3	-	1	-	3. Bright's Disease (Nephria)		12°3	6	-	1	-	2	3	-		
Enteric or Typhoid Fever		49°1	14	4	5	4	-	-	-	4. Diabetes		1°5	1	-	-	1	-	-	-		
Simple continued Fever		5°8	15	2	4	3	6	1	-	5. Calculus (Stone)		1°1	2	-	-	-	-	-	-		
Erysipelas		4°6	6	3	-	-	-	2	-	6. Cystitis		6°9	6	1	-	1	2	2	-		
Puerperal Fever (Metria)		1°2	9	-	1	6	2	-	-	7. Kidney Disease, &c.		3°5	1	-	-	-	-	-	-		
Carbuncle		1°5	1	1	-	-	-	-	-	ORDER 6.											
Influenza		1°2	-	-	-	-	-	-	-	1. Ovarian Dropsy		7	1	-	-	-	1	-	-		
Dysentery		14°1	16	11	-	1	-	4	-	2. Uterus Disease, &c.		3°5	5	-	-	2	2	1	-		
Diarrhoea		1°1	-	-	-	-	-	-	-	ORDER 7.											
Simple Cholera		1°1	-	-	-	1	-	-	-	1. Synovitis (Arthritis)		2	-	-	-	-	-	-	-		
Ague		1°5	-	-	-	-	-	-	-	2. Joint Disease, &c.		3°4	8	-	4	2	-	2	-		
Remittent Fever		8°5	7	-	1	2	3	1	-	ORDER 8.											
Rheumatism		1	2	2	-	-	-	-	-	1. Phlegmon		1°5	1	-	-	1	-	-	-		
Other Zymotic Diseases		6°8	7	7	-	-	-	-	-	2. Ulcer		1°6	-	-	1	-	-	-	-		
ORDER 2.										3. Skin Disease, &c.		1°3	1	-	-	-	-	-	-		
Syphilis		1°9	1	-	-	-	1	-	-	IV. DEVELOPMENTAL DISEASES.											
Stricture of Urethra		2	-	-	-	-	-	-	-	ORDER 1.											
Hydrophobia		1°0	-	-	-	-	-	-	-	1. Premature Birth		20°1	17	17	-	-	-	-	-		
Glanders		9	-	-	-	-	-	-	-	2. Cyanosis		2°8	4	4	-	-	-	-	-		
ORDER 3.										3. Spina Bifida		2°2	2	2	-	-	-	-	-		
Privation		6°7	10	10	-	-	1	-	-	4. Other Malformations		2°4	4	4	-	-	-	-	-		
Want of Breast-milk		1°4	1	1	-	-	-	-	-	5. Teething		20°4	23	23	-	-	-	-	-		
Purpura and Scurvy		1°7	2	-	-	1	1	-	-	ORDER 2.											
Alco- & Del. Tremens		1°0	-	-	-	-	-	-	-	1. Paramenia		-	-	-	-	-	-	-	-		
Alism & Intemperance		2	-	-	-	-	-	-	-	2. Childbirth (see Puer- peral Fever)		4°8	8	-	-	8	-	-	-		
ORDER 4.										ORDER 3.											
Thrush		2°6	1	1	-	-	-	-	-	1. Old Age		58°0	74	-	-	-	-	39	35		
Worms, &c.		1	-	-	-	-	-	-	-	ORDER 4.											
CONSTITUTIONAL DIS.										1. Atrophy and Debility		60°2	54	43	-	2	2	7	-		
ORDER 1.										V. VIOLENT DEATHS, &c.											
Gout		1°3	2	-	-	-	1	-	1	ORDER 1.											
Dropsy		15°0	10	2	-	-	2	6	-	(ACCIDENT OR NEGLIGENCE.)											
Cancer		27°6	26	-	-	3	15	7	1	1. Fractures and Contusions		17°2	14	1	2	4	2	4	2		
Cancerum Oris (Noma)		5	-	-	-	-	-	-	-	2. Wounds		9	1	-	-	1	-	-	-		
Mortification		3°8	3	-	-	-	-	1	2	3. Burns and Scalds		9°0	11	4	4	-	1	1	1		
ORDER 2.										4. Poison		7	-	-	-	-	-	-	-		
Scrofula		8°1	7	5	1	-	1	-	-	5. Drowning		1°9	3	-	-	2	1	-	-		
Tabes Mesenterica		16°7	20	15	3	2	-	-	-	6. Suffocation		10°3	18	15	-	1	2	-	-		
Phthisis		161°8	171	4	17	95	45	10	-	7. Otherwise		2°0	2	1	-	-	1	-	-		
Hydrocephalus		33°8	38	34	4	-	-	-	-	ORDER 3.											
II. LOCAL DISEASES.										(HOMICIDE.)											
ORDER 1.										1. Murder and Manslaughter		2°2	5	4	-	-	1	-	-		
Cephalitis		12°4	29	18	5	3	3	-	-	ORDER 4.											
Apoplexy		37°0	34	1	-	5	10	18	4	(SUICIDE.)											
Paralysis		23°3	51	1	-	-	20	26	4	1. Wounds { Gunshot		2	2	-	-	1	1	-	-		
Insanity		1°0	2	-	-	-	-	-	1	2. Poison		7	-	-	-	-	-	-	-		
Chorea		3	-	-	-	-	-	-	-	3. Drowning		1°0	1	-	-	1	-	-	-		
Epilepsy		6°7	11	-	2	1	7	1	-	4. Hanging		1°8	-	-	-	-	-	-	-		
Convulsions		56°0	71	67	3	-	-	-	-	5. Otherwise		4	1	-	-	1	-	-	-		
Brain Disease, &c.		21°6	18	4	1	-	10	3	-	ORDER 5.											
ORDER 2.										(EXECUTION.)											
Pericarditis		2°4	2	-	2	-	-	-	-	1. Hanging		-	-	-	-	-	-	-	-		
Aneurism		2°3	4	-	-	1	2	1	-	Violent Deaths (not classed)		1	-	-	-	-	-	-	-		
Heart Disease, &c.		60°3	76	3	2	19	27	23	2	Sudden Deaths (Cause un- ascertained)		4°0	5	1	-	1	1	2	-		
ORDER 3.										Causes not specified or ill- defined		7°7	4	3	-	-	1	-	-		
Laryngitis		9°8	18	17	-	-	-	1	-												
Bronchitis		191°9	305	82	8	12	61	124	18												
Pleurisy		4°1	4	-	1	3	-	-	-												
Pneumonia		82°8	89	57	3	7	12	9	1												
Asthma		12°8	14	-	-	1	4	9	-												
Lung Disease, &c.		12°2	27	8	-	4	7	6	2												
ORDER 4.																					
Gastritis		2°0	2	-	1	-	-	1	-												
Enteritis		5°1	8	6	-	1	1	-	-												
Peritonitis		4°7	2	1	1	-	-	-	-												
Ascites		2°9	2	-	-	-	1	1	-												
Ulceration of Intestines		2°5	3	-	-	1	2	-	-												
Hernia		3°3	1	-	-	-	-	1	-												
Hæmorrhoids		3°1	4	-	-	-	-	3	1												
Intussusception		8	-	-	-	-	-	-	-												

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

* Eight cases of relapsing fever are included.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON		2,803,989	2259	1673	330	413	8	21	78	8	58	6	14	115	16	58	127	256	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	41	28	8	6	-	1	1	1	-	-	-	-	-	-	-	2	
St. John Paddington H		36769	19	25	1	6	-	-	-	-	2	-	-	-	-	4	5	6	
Kensington Town W		51910	72	29	6	6	-	1	2	-	1	-	-	-	-	1	-	3	
Brompton H		18198	17	8	1	3	-	-	-	-	-	-	-	-	-	-	-	2	
St. Peter Hammersmith		5415	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
St. Paul Hammersmith		19104	17	16	2	4	-	-	2	-	1	-	-	-	-	-	-	4	
Fulham W		15539	15	15	1	4	-	-	2	-	-	-	-	-	1	-	-	4	
Chelsea South H		21654	7	9	-	2	-	-	2	-	-	-	-	-	-	-	-	2	
Chelsea North-west HW		19899	10	12	1	5	-	1	1	-	-	-	-	-	-	-	-	1	
Chelsea North-east		21836	13	6	1	-	-	-	1	-	1	-	-	-	-	1	1	-	
Hanover Square		19773	4	13	-	6	-	-	1	-	-	-	-	-	-	1	1	-	
May Fair W		12885	6	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	25	27	5	4	-	-	1	-	2	-	-	-	1	2	3	4	
St. John Westminster		37483	33	25	3	6	-	-	1	-	2	1	-	-	-	-	-	-	
St. Margaret Westminster WH		80730	15	35	5	12	-	-	1	-	1	-	1	-	-	1	1	26	
St. James's Square		10753	5	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Berwick-street		10607	6	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17426	13	5	1	1	-	-	-	-	-	1	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	22	22	2	4	-	1	1	-	2	1	-	-	-	-	-	-	
Canvish Square		15096	12	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W		26092	18	21	4	11	-	1	-	-	-	-	-	-	-	-	-	8	
St. Mary Marylebone		22483	27	9	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch Marylebone		34913	18	21	2	7	-	-	-	-	1	-	-	-	1	-	1	-	
St. John Marylebone		32540	17	13	1	9	-	-	-	-	-	1	-	-	-	-	-	-	
Hampstead W		19106	18	14	5	4	-	-	-	-	-	-	-	4	-	-	-	6	
Regent's Park Pancras		34927	25	14	3	2	-	1	3	-	-	-	-	-	-	-	-	-	
Tottenham-court WH		29371	17	20	5	2	-	-	-	-	-	1	-	-	-	-	-	8	
Gray's Inn Lane H		27808	26	16	4	2	1	-	-	-	1	-	-	1	-	-	-	-	
Somers Town		39999	20	14	2	3	-	-	-	-	-	-	-	-	-	-	-	-	
Camden Town W		23266	14	28	3	15	-	-	-	-	-	-	-	-	-	1	4	17	
Kentish Town		44317	40	29	4	6	-	2	1	-	1	-	-	-	1	2	6	-	
Islington West* WHH		75442	62	72	15	14	4	1	3	-	-	1	-	-	-	4	10	20	
Islington East W		79599	88	53	14	15	-	-	-	1	2	3	-	-	-	1	3	-	
Stoke Newington		6603	5	5	-	1	-	-	1	-	-	-	-	-	-	1	1	-	
Stamford Hill		5483	8	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	25	15	2	4	-	-	-	-	-	-	-	-	-	-	-	-	
Hackney WH		31481	24	16	5	3	-	-	-	-	-	-	-	-	-	1	1	-	
South Hackney L		15458	21	13	-	4	-	1	2	-	2	-	-	-	-	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	7	12	1	2	-	-	2	-	-	1	-	-	-	-	-	-	
St. Giles South W		19483	12	19	5	3	-	-	1	1	-	-	-	-	-	-	2	4	
St. Giles North		17201	13	9	-	-	-	-	1	-	-	-	-	-	-	1	1	-	
Long Acre		11618	7	5	2	-	-	-	-	-	-	-	-	-	-	-	1	-	
Charing Cross WH		11071	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand		10346	3	4	2	1	-	-	-	-	-	-	-	-	-	3	4	8	
St. Clement Danes H		15207	3	9	3	2	-	-	-	-	2	-	-	-	1	-	-	1	
St. George-the-Martyr H		19903	10	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Andrew East Holborn W		12947	5	18	2	3	-	1	-	-	2	-	-	-	-	-	-	10	
Saffron Hill		12012	3	6	2	2	-	1	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W		19152	8	13	5	2	-	-	-	-	-	-	-	1	-	2	3	2	
Amwell Clerkenwell		17250	19	5	-	1	-	-	1	-	-	1	-	-	-	-	-	-	
Pentonville		13079	16	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goosewell-street		16200	14	6	2	2	-	1	-	-	-	-	-	-	-	-	-	-	
Old-street		11504	11	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
City-road HL		17860	18	10	6	1	-	-	-	-	1	-	-	-	-	1	2	1	
Whitecross-street		14778	11	6	-	2	-	-	-	-	1	-	-	-	-	-	-	-	
Finsbury		12931	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph East London		20990	11	10	2	1	-	-	-	-	1	-	-	-	-	-	-	-	
Cripplegate		19637	6	9	2	2	-	-	1	-	-	-	-	-	-	-	1	-	
St. Sepulchre WH		11750	6	9	-	1	-	-	-	-	-	-	1	-	-	1	1	8	
St. Bride		15395	7	4	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	3	3	-	2	-	-	-	-	-	-	-	-	-	-	1	-	
Christchurch		9020	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Albion Barking		8559	3	5	1	3	-	-	-	-	1	-	-	-	-	1	1	-	
Broad Street		11544	1	5	1	1	-	-	-	-	-	-	1	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

‡ Eight cases of relapsing fever are included.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
aturday, 5th March 1870.

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																		
St. Mary Shoreditch	-	17313	10	6	4	-	-	-	-	-	1	-	-	-	-	-	1	-
St. Leonard Shoreditch	Lt	19188	10	11	1	2	-	-	-	-	-	-	-	-	-	-	1	-
Hoxton New Town	W	26516	17	18	1	4	-	-	4	-	1	-	-	-	-	-	2	-
Hoxton Old Town	-	25777	19	10	1	5	-	-	-	-	1	-	1	-	-	-	1	-
Aggerstone West	W	23260	26	19	12	8	-	-	2	-	-	-	-	-	-	3	7	-
Aggerstone East	-	17310	16	8	2	4	-	-	-	-	-	-	-	-	-	-	-	-
Hackney-road	-	26298	17	23	12	3	-	-	1	-	1	-	-	-	-	6	12	-
Green, Bethnal Green	WHL†	21789	53	16	4	3	-	-	-	-	-	-	-	1	-	-	2	-
Church, Bethnal Green	-	25328	24	7	2	-	-	-	1	-	1	-	-	-	-	-	-	-
Green, Bethnal Green	-	21436	16	21	5	4	-	-	-	-	-	-	-	-	-	5	15	-
Artillery Whitechapel	-	6557	6	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Hopitalfields	-	15700	10	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Mile End New Town	W	15392	9	9	-	3	-	-	-	-	-	1	-	-	-	-	-	-
Whitechapel North	-	12122	13	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church	H	8062	8	8	-	2	-	-	-	-	-	-	-	-	-	3	3	3
Woodman's Fields	-	11166	7	6	1	1	-	-	-	-	1	-	-	-	-	-	-	-
Whitegate	-	9971	5	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary St. George East	-	18181	11	10	5	-	-	-	-	-	-	-	-	-	-	2	3	-
St. Paul St. George East	-	21015	10	7	1	2	-	-	-	-	-	-	-	-	-	-	1	-
St. John St. George East	W	9695	5	5	-	3	-	-	-	-	-	-	-	-	-	-	-	4
St. Andrew	W	12537	6	11	4	5	-	-	-	-	-	-	-	-	2	-	1	2
St. Andrew	W	16874	17	9	2	-	-	-	-	-	-	-	-	-	-	-	-	1
St. Andrew	W	27161	21	12	1	2	-	1	-	-	2	-	1	-	1	-	2	-
Mile End Old Town West	-	33747	40	19	5	4	-	-	1	-	2	-	-	-	-	-	-	-
Mile End Old Town East	Wto	39317	34	23	2	12	1	-	-	-	-	-	-	-	-	-	1	7
St. Andrew WtoLt	-	35667	53	25	5	4	-	2	3	1	-	-	1	-	-	-	2	4
St. Andrew W	-	43529	39	23	5	4	-	-	4	-	-	-	-	-	-	1	2	-
SOUTH DISTRICTS.																		
St. Christopher Southwark	W	17069	7	8	-	5	-	-	-	-	1	-	-	-	1	-	-	1
St. Saviour Southwark	H	19101	10	10	2	1	-	-	1	-	1	-	-	-	-	-	-	-
St. Andrew	-	19652	14	9	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew	W	16653	13	17	2	7	1	-	-	-	1	-	-	-	-	-	1	9
St. Andrew	L	19190	11	8	2	1	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew	-	22875	15	17	1	9	-	-	-	-	2	-	-	-	-	-	-	-
St. Peter Walworth	W	44463	51	21	4	7	-	-	1	-	1	-	-	-	-	-	4	-
St. Mary Newington	H	15082	11	15	2	2	-	1	-	-	1	-	-	-	1	2	2	-
St. Olive Southwark	H	7663	-	5	1	2	-	-	1	-	-	-	-	-	-	-	-	1
St. John Horsleydown	W	11393	8	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew	-	16696	21	5	1	1	-	-	-	-	-	-	1	-	-	-	-	-
St. Mary Magdalen	W	16305	18	14	4	7	-	-	-	-	-	-	-	-	1	-	-	7
St. James Bernandsey	-	25154	46	26	4	7	-	-	3	-	1	-	-	1	-	-	1	-
St. Andrew	W	24502	25	9	3	-	-	-	-	-	1	-	-	1	-	-	-	-
St. Andrew	-	15269	12	8	2	-	-	-	1	-	-	-	-	-	1	-	-	-
St. Andrew	-	18640	19	6	2	1	-	-	-	-	-	-	-	-	-	1	1	-
St. Andrew	-	19839	11	11	3	2	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew	W	29542	21	24	4	11	-	-	2	-	-	-	-	-	-	-	-	7
St. Andrew	-	30785	31	12	2	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew	-	20440	19	12	3	4	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew	-	20067	22	17	3	7	-	1	1	-	-	-	-	-	-	-	-	-
St. Andrew	W	7462	17	10	3	-	-	-	-	2	1	-	-	-	1	1	-	-
St. Andrew	-	20894	20	9	5	-	-	-	1	1	-	-	-	-	-	-	-	-
St. Andrew	Wto	19600	44	36	12	9	-	1	2	-	1	-	-	1	-	-	2	6
St. Andrew	L	13346	9	9	-	2	-	-	-	-	-	-	-	-	-	-	2	3
St. Andrew	-	6481	7	5	1	3	-	-	-	-	-	-	-	-	-	2	2	-
St. Andrew	-	10982	8	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew	-	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew	WHL†	21297	10	9	2	3	-	-	-	-	-	-	-	-	-	-	-	3
St. Andrew	-	28135	22	16	2	3	-	1	1	-	1	-	-	-	-	-	-	-
St. Andrew	-	20333	22	8	1	1	-	-	2	-	-	-	-	-	-	-	-	-
St. Paul Deptford	-	37834	44	22	3	1	-	1	1	-	1	-	-	-	1	-	3	-
St. Nicholas Deptford	-	8139	6	3	-	1	-	-	-	-	-	-	-	-	-	-	1	-
St. Andrew	H	21696	17	16	6	3	-	-	-	-	1	-	-	-	1	1	-	1
St. Andrew	WHL	18306	17	15	4	3	-	-	-	-	-	-	-	-	1	1	2	6
St. Andrew	-	3009	-	3	-	1	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew	-	11003	5	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew	W	7872	10	8	3	2	-	-	1	-	-	-	-	-	-	-	-	1
St. Andrew	-	10595	11	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew	-	9276	10	4	-	1	-	-	1	-	-	-	-	1	-	-	-	-
St. Andrew	H	22919	8	8	1	1	-	-	-	1	-	-	-	2	-	-	-	-
St. Andrew	H	18776	16	14	3	1	1	-	-	-	-	-	-	-	-	1	3	-
St. Andrew	-	12	10	4	-	-	-	-	1	-	1	-	-	-	-	2	3	-
St. Andrew	-	24502	12	9	4	1	-	-	-	-	-	-	-	-	1	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand " " Tottenham-court sub-district.
London City " " Islington East.
Do. do. " " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.
London City " " Mile End Old Town Eastern sub-dist. and
Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 5th MARCH, 1870. [Under the Superintendence of the Astronomer Royal.]

1870.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.			
MONTH AND DAY.		MOON.		BAROMETER.		Dry.				Wet.		In the Shade.		Between Dew Point and Air Temperature.		Degree of Cloudiness.		As deduced from Anemometers.		Amount of Rain.			
		Phases of Moon.		Mean daily reading (corrected for refraction and reduced to 32° Fahr. height).		Range in day.		Mean daily value.		Mean daily value.		Lowest in the shade.		Highest in the sun.		Lowest in the shade.		Between Dew Point and Air Temperature.		Degree of Cloudiness.		Amount of Rain.	

DATE.		SKY AND ATMOSPHERE.										ELECTRICITY.									
FEBRUARY.																					
SUNDAY	27	A fine day; light clouds prevailed till evening; afterwards cloudless.																			
MONDAY	28	Generally cloudy, except at night, when the sky was cloudless.																			
MARCH.																					
TUESDAY	1	Overcast. Rain fell in the afternoon and evening.																			
WEDNESDAY	2	Light clouds prevailed throughout the day; cloudless at night. A very fine day.										The insulating lamp was not burning.									
THURSDAY	3	A fine day; light clouds were prevalent till 5h. p.m.; overcast after that time.																			
FRIDAY	4	Overcast. Rain fell heavily in the early morning hours, thin rain fell occasionally during the day, and snow fell at night.																			
SATURDAY	5	In the early morning hours snow and rain fell; fine throughout the remainder of the day, and light clouds generally prevailed. A portion of a solar halo was seen at 10h. a.m.																			

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 10. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, MARCH 12. [Price 1d.

*General Register Office, Somerset House,
14th March 1870.*

IN the week that ended on Saturday, 12th March, 5549 BIRTHS and 3587 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 26 per 1000 persons estimated to be living, against 30 and 28 in the two previous weeks.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow :—17 per 1000 in Leicester, 18 in Nottingham, 21 in Birmingham, 22 in Sheffield and Bradford, 23 in Newcastle-upon-Tyne and Sunderland, 24 in London, 26 in Norwich and Wolverhampton, 28 in Liverpool, Leeds, and Hull, 30 in Portsmouth and Manchester, 31 in Salford, and, the highest rate during the week, 40 per 1000 in the city of Bristol. The deaths returned last week in the above 17 large English towns showed a further decline of 204 upon those in the two previous weeks. In the past four weeks the deaths referred to the seven principal diseases of the zymotic class in these 17 towns have steadily decreased from 529 to 420 ; this has been mostly due to a decline in the fatality of scarlet fever and whooping-cough. The deaths from scarlet fever were again lower in London last week, but the disease continues fatally prevalent in Liverpool, Leeds, Sheffield, and Hull.

The deaths registered last week in Edinburgh were at the annual rate of 21 per 1000 persons living, in Glasgow 34 per 1000, and in Dublin 31.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 35 per 1000 persons living. The deaths in Berlin in the seven days ending Thursday, 10th inst., gave an annual rate of 35 per 1000, and in Vienna during the week ending 5th inst. a rate of 28 per 1000. Small-pox continues exceedingly fatal in Paris; 90 deaths were recorded from this disease last week, against 79 and 97 in the two previous weeks.

IN LONDON the BIRTHS of 1270 boys and 1228 girls, in all 2498 children, were registered last week. In the corresponding weeks of ten years 1860–69 the average number, corrected for increase of population, was 2292.

The DEATHS registered in LONDON during the week were 1499. It was the tenth week of the year; and the average number of deaths for that week was, with a correction for increase of population, 1631. The deaths in the present return are less by 132 than the estimated number.

Five hundred and forty-seven children died under 5 years of age, 93 young persons were 5 and under 20, 221 persons were 20 and under 40, 230 were 40 and under 60, 304 were 60 and under 80, and 54 were 80 years of age and upwards.

The deaths from zymotic diseases were 252, the corrected average number being 333. Six deaths from small-pox, 17 from measles, 69 from scarlet fever, 6 from diphtheria, 49 from whooping-cough, 4 from typhus fever, 19 from enteric (or typhoid) fever, 10 from simple continued fever, and 14 from diarrhoea were registered.

The mortality from scarlet fever continues to decline, the deaths recorded in the last three weeks being 111, 78, and 69. Twelve cases were registered last week in the West Districts, 15 in the North, 17 in the East, and 24 in the South. One case occurred in Queenhithe (Central Districts).

The deaths from small-pox, measles, and whooping-cough were fewer, than in the preceding week.

Of the 49 deaths registered from whooping-cough, 23 occurred in the South Districts.

Two hundred and nine persons died from phthisis, 232 from bronchitis, and 98 from pneumonia.

A cab driver, aged 33 years, died on 8th March at the Middlesex Hospital from "blood poisoning, glanders." *Post mort.*

The deaths of 3 children and one adult from burns or scalds, of 4 persons from drowning, of 6 infants and one adult from suffocation, and of 4 persons who committed suicide were recorded.

The deaths of 244 persons in Public Institutions of the Metropolis were registered; of these 129 occurred in Workhouses, 5 in Military and Naval Asylums, 84 in General Hospitals, 17 in Hospitals for special diseases, 2 in Lying-in Hospitals, 3 in Hospitals and Asylums for Foreigners, and 4 in Lunatic Asylums.

The following deaths of 3 persons whose deaths were accelerated by privation were recorded:—

PANCRAS; *Gray's-Inn-Lane*.—At 72 Cromer-street, on 28th February, the widow of a law clerk, aged 50 years, "consumption, accelerated by want of food." *Post mort. (Inquest.)*

HOLBORN; *St. James*.—At 203 St. John-street, on 10th March, a brush maker, aged 60 years, "decay of nature, accelerated by want of proper nourishment."

WHITECHAPEL; *Mile End New Town*.—At the Workhouse, on 7th March, a labourer, aged 29 years, "sudden, dropsy, accelerated by want and destitution." *(Inquest.)*

The following deaths of 4 persons who were killed by horses or vehicles in the streets were registered:—

A carman, aged 43 years, "fractured leg; fell from a van." Died on 5th March in St. George's Hospital." *Post mort. (Inquest.)*

A labourer, aged 36 years, "pyæmia, from injury to the shoulder joint; run over by an omnibus." Died on 8th March in the Middlesex Hospital." *Post mort. (Inquest.)*

The son of a militia officer, aged 3 years, "run over by a van." Died on 7th March in the Militia Barracks, Finsbury. *(Inquest.)*

A carman, aged 44 years, "fell from and run over by a van." Died on 5th March in Lower Wandsworth-road, Battersea. *(Inquest.)*

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·899 in. The barometrical reading decreased from 30·22 in. on Sunday, 6th March, to 29·51 in. on Saturday, 12th March. The mean temperature of the air in the week was 38·4°, which is 2·1° below the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was 48·0° on Thursday, 10th March. The lowest night temperature was 30·4° on Sunday, 6th March. The entire range of temperature in the week was, therefore, 17·6°. The mean of the highest temperatures of the water of the Thames was 40·5°; that of the lowest was 38·8°. The difference between the mean dew-point temperature and air temperature was 5·3°. The mean degree of humidity of the air was 81, complete saturation being represented by 100. Rain fell to the amount of 0·02 in. The direction of the wind was variable.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 228,535 cubic metres, and at Barking 186,238 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1786	2072	2027	1832	1962	2226	2272	2153	2269	2240	2083·9	2498
Males . .	919	1066	1016	957	1013	1151	1157	1109	1187	1134	1070·9	1270
Females . .	867	1006	1011	875	949	1075	1115	1044	1082	1106	1013·0	1228
TOTAL Deaths	1397	1279	1505	1370	1664	1508	1829	1425	1331	1519	1482·7	1499
Males . .	691	622	799	699	852	770	935	734	686	775	756·3	770
Females . .	706	657	706	671	812	738	894	691	645	744	726·4	729

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Dec. 18.	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.
TOTAL Deaths	1566	1357	1996	1697	1664	1652	1613	1828	1568	1716	1861	1673	1499
Deaths under 5 years of age	706	596	840	694	666	668	634	681	616	687	713	640	547
Deaths 5—20	127	120	157	105	115	109	125	134	117	123	120	116	93
Deaths 20—40	175	159	244	192	233	213	220	222	188	225	214	218	221
Deaths 40—60	237	212	297	256	271	254	255	332	279	298	313	286	280
Deaths 60—80	260	221	366	367	291	321	312	380	310	311	412	341	304
Deaths at 80 years & upwards	61	39	92	83	88	87	67	79	58	72	89	72	54
Deaths from Small-pox	8	5	7	8	12	8	5	11	4	10	11	8	6
„ „ Measles	26	31	59	30	40	41	28	28	23	17	18	21	17
„ „ Scarlet Fever	186	123	159	134	114	143	118	107	103	104	111	78	69
„ „ Diphtheria	8	7	9	5	8	8	7	5	3	3	5	8	6
„ „ Whooping-cough	62	65	57	67	58	55	67	79	65	61	79	58	49
„ „ Typhus fever	12	8	12	4	13	12	7	14	6	9	8	6	4
„ „ Enteric (or Typhoid) fever	16	14	18	13	14	12	17	9	22	21	11	14	19
„ „ Simple Contagious fever	16	16	21	18	23	15	11	12	5	9	13	15	10
„ „ Diarrhoea	14	14	22	19	13	15	8	17	11	20	15	16	14
„ „ Phthisis	157	119	207	138	179	175	180	198	170	191	226	171	209
„ „ Bronchitis	208	185	305	295	233	242	277	316	265	335	323	305	232
„ „ Pneumonia	103	87	120	102	116	87	81	114	74	109	90	89	93
„ „ Heart Disease	69	55	91	82	71	64	84	91	66	76	77	76	54
Mean Temperature of the Air	44·7	38·2	34·2	45·2	39·3	36·1	31·6	42·0	32·4	30·7	36·9	45·3	38·4
Mean Temperature of the Water of the Thames	40·0	41·6	33·4	39·5	41·0	39·1	37·7	39·9	37·8	31·5	33·2	40·2	39·6
Humidity of the Air	84	85	83	87	87	82	82	87	72	74	75	85	81
Rain-fall in inches	1·23	0·86	0·31	0·79	0·48	0·05	0·00	0·25	0·25	0·05	0·05	1·22	0·02

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S.; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S.; M. O. Tarbotton, Esq., F.G.S., F.M.S.; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Philliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 12th day of March 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 12th Mar.	DEATHS registered during the Week ending 12th Mar.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	5549	3587	54·2	26·0	39·4	4·11	0·06	0·15
LONDON - - -	77,997	3,214,707	41·2	2498	1499	48·0	30·4	38·4	3·55	0·02	0·05
PORTSMOUTH - -	9,513	122,084	12·8	96	69	54·2	30·2	39·6	4·23	0·10	0·25
NORWICH - - -	7,472	81,087	10·9	56	40	44·5	29·5	37·1	2·84	0·16	0·40
BRISTOL - - -	4,688	171,382	36·6	142	133	53·1	29·4	40·0	4·44	0·02	0·05
WOLVERHAMPTON -	3,387	72,990	21·5	52	37	51·0	31·2	39·3	4·06	0·22	0·56
BIRMINGHAM - -	7,831	369,604	47·2	326	151	51·1	31·0	39·3	4·06	0·07	0·18
LEICESTER - - -	3,200	97,427	30·4	73	32	50·0	28·5	38·7	3·72	0·20	0·51
NOTTINGHAM - -	1,996	88,888	44·5	56	31	51·0	29·9	40·2	4·55	0·02	0·05
LIVERPOOL - - -	5,108	517,567	101·3	412	273	48·0	30·3	39·3	4·06	0·01	0·03
MANCHESTER - -	4,486	374,993	83·6	295	214	53·0	31·0	40·6	4·78	0·01	0·03
SALFORD - - -	5,172	121,580	23·5	111	73	50·4	29·2	39·9	4·39	0·00	0·00
BRADFORD - - -	6,590	143,197	21·7	113	60	52·8	30·0	40·2	4·55	0·02	0·05
LEEDS - - -	21,572	259,527	12·0	207	137	54·0	31·0	40·7	4·83	0·09	0·23
SHEFFIELD - - -	22,830	247,378	10·8	179	102	51·0	29·2	39·3	4·06	0·04	0·10
HULL - - -	3,562	130,869	36·7	76	69	—	—	—	—	—	—
SUNDERLAND - -	3,306	100,979	30·5	53	44	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	96	58	—	—	—	—	—	—
EDINBURGH - - -	4,427	178,970	40·4	117	72	49·7	26·0	38·6	3·67	0·00	0·00
GLASGOW - - -	5,063	468,189	92·5	387	305	48·9	26·4	38·1	3·39	0·00	0·00
DUBLIN - - -	9,745	321,540	33·0	204	188	51·8	27·5	40·3	4·61	0·00	0·00
PARIS - - -	7,802	1,889,842	242	—	1263	—	—	—	—	—	—
				Week ending 5 Mar. 1870.	Week ending 5 Mar. 1870.	—	—	—	—	—	—
VIENNA - - -	3,728*	605,200	162	—	327	—	—	38·1	3·38	—	—
				Week ending 10 Mar. 1870.	Week ending 10 Mar. 1870.	—	—	—	—	—	—
BERLIN - - -	6,253	702,487	112	616	443	—	—	32·0	0·00	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 12th day of March 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Dysentery.	Violence.	Inquest Cases.	In Public Houses.	
LONDON - - -	24	1499	310	358	6	17	69	6	49	33	14	38	84	244	
PORTSMOUTH - -	29	69	16	8	-	1	5	1	1	5	-	-	4	9	
NORWICH - - -	26	40	12	8	-	-	-	-	-	2	-	-	1	1	
BRISTOL - - -	40	133	31	31	-	9	3	1	5	1	-	4	8	22	
WOLVERHAMPTON -	26	37	7	11	-	-	1	2	1	1	3	-	-	5	
BIRMINGHAM - -	21	151	45	26	1	-	5	2	6	3	3	8	18	21	
LEICESTER - - -	17	32	10	10	-	-	1	-	-	-	-	3	5	8	
NOTTINGHAM - -	18	31	6	9	-	1	3	1	1	1	1	3	4	-	
LIVERPOOL - - -	28	273	72	66	-	1	18	-	3	12	5	15	19	36	
MANCHESTER - -	30	214	42	35	-	1	6	2	19	7	-	3	14	38	
SALFORD - - -	31	73	25	16	2	-	1	-	9	1	1	-	2	-	
BRADFORD - - -	22	60	19	11	-	-	4	-	1	-	2	1	6	-	
LEEDS - - -	28	137	33	24	-	-	13	-	5	6	1	2	6	16	
SHEFFIELD - - -	22	102	24	17	1	1	12	-	3	2	1	1	4	-	
HULL - - -	28	69	21	12	-	-	8	1	1	1	-	8	8	-	
SUNDERLAND - -	23	44	13	9	-	-	-	-	1	1	-	1	3	-	
NEWCASTLE-ON-TYNE -	23	58	16	8	-	-	1	-	-	1	-	5	8	-	
DUBLIN - - -	31	188	31	56	-	-	6	1	3	10	2	6	7	8	

TABLE 5.—DEATHS in LONDON Registered in the Tenth Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Tenth Week in the 10 years 1860-69.	In the Week ending Saturday, March 12, 1870.							CAUSES OF DEATH.		Averages of the Tenth Week in the 10 years 1860-69.	In the Week ending Saturday, March 12, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.				ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.
				Mean Tem.	0-5.									5-20.	20 and under 40.					40 and under 60.	60 and under 80.	Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.
Mean Temperature		40.1	38.4	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature		40.1	38.4	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES		1482.7	1499	547	93	221	280	304	54	9. Stricture of Intestines		1.2	1	-	-	1	-	-	-
SPECIFIED CAUSES		1464.5	1488	540	92	220	279	303	54	10. Fistula		6	14	1	-	1	7	4	1
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		6.2	14	1	-	1	7	4	1
ORDER 1.										12. Pancreas Disease, &c.		3.7	5	-	1	2	1	1	
Small-pox		17.9	6	3	1	2	-	-	-	13. Hepatitis		3.2	3	2	-	1	1	1	
Measles		28.9	17	14	2	-	1	-	-	14. Jaundice		14.9	11	1	-	1	5	4	
Scarlet Fever (Scarlatina)		41.7	69	44	22	2	1	1	-	15. Liver Disease, &c.		3	-	-	-	-	-	-	
Diphtheria		9.8	6	4	1	1	-	-	-	16. Spleen Disease, &c.									
Quincy		1.4	-	-	-	-	-	-	-	ORDER 5.									
Croup		15.9	10	10	-	-	-	-	-	1. Nephritis		6	1	-	-	1	-	-	
Whooping-cough		67.2	49	47	2	-	-	-	-	2. Ischuria		4	-	-	-	-	-	-	
Typhus		57.0	4	-	1	1	1	1	-	3. Bright's Disease (Nephria)		8.8	14	-	1	4	4	5	
Enteric or Typhoid Fever		57.0	19	3	1	1	5	2	-	4. Diabetes		1.3	3	-	-	1	2	-	
Simple continued Fever		7.2	10	5	1	3	-	1	-	5. Calculus (Stone)		1.5	4	-	-	-	1	2	
Erysipelas		2.3	5	3	-	-	2	-	-	6. Cystitis		1.4	2	-	-	-	-	-	
Puerperal Fever (Metria)		2.3	3	-	-	3	-	-	-	7. Kidney Disease, &c.		9.0	8	-	-	1	2	3	
Carbuncle		1.4	-	-	-	-	-	-	-	ORDER 6.									
Influenza		1.6	1	1	-	-	-	-	-	1. Ovarian Dropsy		9	1	-	-	1	-	-	
Dysentery		2.5	-	-	-	-	-	-	-	2. Uterus Disease, &c.		4.7	9	-	-	5	3	1	
Diarrhoea		13.4	14	7	-	2	2	3	-	ORDER 7.									
Simple Cholera		3	-	-	-	-	-	-	-	1. Synovitis (Arthritis)		3.2	9	1	4	1	3	-	
Ague		1.0	-	-	-	-	-	-	-	2. Joint Disease, &c.		3.6	-	-	-	-	-	-	
Remittent Fever		6.5	7	-	2	-	3	2	-	ORDER 8.									
Rheumatism										1. Phlegmon		1.8	4	1	-	-	3	-	
Other Zymotic Diseases										2. Ulcer		1.4	1	-	-	-	-	1	
ORDER 2.										3. Skin Disease, &c.		1.9	-	-	-	-	-	-	
Syphilis		8.2	9	7	-	1	-	1	-	IV. DEVELOPMENTAL DISEASES.									
Stricture of Urethra		1.6	1	-	-	-	-	1	-	ORDER 1.									
Hydrophobia		-	1	-	-	1	-	-	-	1. Premature Birth		21.9	15	15	-	-	-	-	
Glanders		-	1	-	-	1	-	-	-	2. Cyanosis		2.3	4	4	-	-	-	-	
ORDER 3.										3. Spina Bifida		1.8	1	1	-	-	-	-	
Privation		9	2	-	-	1	-	1	-	4. Other Malformations		1.5	4	4	-	-	-	-	
Want of Breast-milk		7.9	10	10	-	-	-	-	-	5. Teething		20.7	20	20	-	-	-	-	
Purpura and Scarry		1.8	3	-	1	1	-	-	-	ORDER 2.									
Alco-ja Del. Tremens		2.3	1	-	-	1	-	-	-	1. Parameia		2	-	-	-	-	-	-	
hollism / b Intemperance		2.2	-	-	-	-	-	-	-	2. Childbirth (see Puer- peral Fever)		4.8	5	-	-	4	1	-	
ORDER 4.										ORDER 3.									
Thrush		2.7	4	4	-	-	-	-	-	1. Old Age		63.2	53	-	-	-	-	23	30
Worms, &c.		-	1	-	-	1	-	-	-	ORDER 4.									
CONSTITUTIONAL DIS.										1. Atrophy and Debility		57.4	51	41	2	2	1	5	-
ORDER 1.										V. VIOLENT DEATHS, &c.									
Gout		1.7	3	-	-	1	1	1	-	ORDER 1.									
Dropsy		16.5	11	-	2	-	4	3	2	(ACCIDENT OR NEGLIGENCE.)									
Cancer		25.8	34	-	-	4	15	14	1	1. Fractures and Contusions		13.5	15	3	1	5	5	1	
Carcinoma Oris (Noma)		4	-	-	-	-	-	-	-	2. Wounds		3	1	3	-	-	-	1	
Mortification		4.1	6	1	-	1	4	-	-	3. Burns and Scalds		9.3	4	3	-	-	-	1	
ORDER 2.										4. Poison		1.0	1	1	-	-	-	-	
Scrofula		8.8	6	5	-	-	-	1	-	5. Drowning		4.1	4	-	1	2	1	-	
Tuberc Mesenterica		18.8	16	13	2	1	-	-	-	6. Suffocation		9.4	7	6	-	-	-	1	
Phthisis		177.6	209	10	20	103	66	9	1	7. Otherwise		1.6	2	1	-	-	1	-	
Hydrocephalus		33.5	25	22	3	-	-	-	-	ORDER 3.									
I. LOCAL DISEASES.										(HOMICIDE.)									
ORDER 1.										1. Murder and Manslaughter		2.7	-	-	-	-	-	-	
Cephalitis		14.1	18	12	3	2	1	-	-	ORDER 4.									
Apoplexy		36.5	46	2	-	4	12	26	1	(SUICIDE.)									
Paralysis		25.5	24	-	-	-	6	16	2	1. Wounds { Gunshot Cut, Stab		2	-	-	-	-	-	-	
Insanity		1.8	2	-	-	-	2	-	-	2. Poison		1.1	1	-	-	-	1	-	
Chorea		4	-	-	-	-	-	-	-	3. Drowning		1.7	1	-	-	-	1	-	
Epilepsy		7.3	9	1	1	2	2	3	-	4. Hanging		1.5	2	-	-	-	1	1	
Convulsions		58.6	58	57	1	-	-	-	-	5. Otherwise		6	-	-	-	-	-	-	
Brain Disease, &c.		18.6	14	2	1	1	5	5	-	ORDER 5.									
ORDER 2.										(EXECUTION.)									
Pericarditis		2.4	-	-	-	-	-	-	-	1. Hanging		-	-	-	-	-	-	-	
Aneurism		2.7	4	-	-	3	-	1	-	Violent Deaths (not classed)		2	-	-	-	-	-	-	
Heart Disease, &c.		68.5	54	-	1	12	20	19	2	Sudden Deaths (Cause un- ascertained)		4.0	3	-	1	-	1	1	
ORDER 3.										Causes not specified or ill- defined		14.2	8	7	-	1	-	-	
Laryngitis		11.1	14	11	-	1	2	-	-										
Bronchitis		196.5	232	67	-	15	52	91	7										
Pleurisy		2.8	4	-	-	-	2	2	-										
Pneumonia		84.9	98	57	4	11	13	13	-										
Asthma		14.6	20	9	-	2	7	12	1										
Lung Disease, &c.		14.5	20	9	-	2	3	5	1										
ORDER 4.																			
Gastritis		1.6	5	2	-	1	1	1	1										
Enteritis		5.7	3	-	-	1	1	1	-										
Peritonitis		2.5	2	-	-	1	1	1	-										
Ascites		3.4	7	-	1	3	1	2	-										
Ulceration of Intestines		3.3	8	1	-	-	2	4	1										
Hernia		2.8	2	1	-	-	-	1	-										
Ileus		1.0	-	-	-	-	-	-	-										
Intussusception																			

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.*	
LONDON		2,803,989	2493	1499	310	358	6	17	69	6	49	4	19	10	14	38	84	244	
WEST DISTRICTS		458,125	398	278	54	75	-	2	12	-	11	-	4	3	2	9	17	49	
NORTH DISTRICTS		618,210	539	330	62	88	2	4	15	1	6	3	8	1	3	8	25	64	
CENTRAL DISTRICTS		883,321	247	173	33	41	-	2	1	2	2	-	-	1	2	7	13	29	
EAST DISTRICTS		571,158	547	273	62	52	2	4	17	1	7	-	3	1	5	7	16	46	
SOUTH DISTRICTS		773,175	767	445	99	102	2	5	24	2	23	1	4	4	2	7	13	56	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	57	33	3	8	-	1	4	-	2	-	2	-	-	-	2	3	
St. John Paddington H		36769	27	19	1	5	-	-	1	-	-	-	1	-	-	2	3	6	
Kensington Town W		51910	61	38	8	11	-	-	2	-	-	-	-	1	2	3	3	5	
Brompton H		18198	10	12	3	3	-	-	1	-	-	-	-	-	-	1	2	1	
St. Peter Hammersmith		5415	7	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	33	8	1	2	-	-	-	-	1	-	-	-	-	-	-	-	
Fulham W		15539	16	11	6	1	-	-	-	-	2	-	-	-	-	-	-	1	
Chelsea South H		21654	16	20	4	5	-	-	2	-	1	-	-	1	-	-	3	5	
Chelsea North-west HW		19899	21	23	3	4	-	-	-	-	3	-	-	-	-	-	-	7	
Chelsea North-east		21886	16	8	4	1	-	1	-	-	-	-	-	-	-	1	-	-	
Hanover Square		19773	6	8	-	5	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W		12885	7	6	-	2	-	-	-	-	-	-	-	-	-	-	-	5	
Belgrave H		55113	42	22	4	7	-	-	-	-	1	-	-	-	3	3	8	8	
St. John Westminster		37483	24	15	4	2	-	-	-	-	-	-	1	-	-	-	-	-	
St. Margaret Westminster WH		30730	15	17	3	6	-	-	1	-	-	-	-	-	-	-	-	4	
St. James's Square		10753	6	7	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	12	7	1	3	-	-	-	-	-	-	-	-	-	-	-	4	
Berwick-street		10907	11	5	-	1	-	-	-	-	1	-	-	-	-	-	-	-	
St. Anne Soho		17426	11	15	2	4	-	-	1	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	22	15	1	5	-	-	-	-	-	-	-	-	-	1	2	10	
Cavendish Square		15090	6	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W		26992	15	21	1	10	-	-	-	-	-	-	-	-	2	-	-	12	
St. Mary Marylebone		22493	26	6	1	4	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch Marylebone		34913	25	13	5	3	-	-	-	-	-	-	-	-	-	-	-	-	
St. John Marylebone		32540	20	11	1	2	-	1	1	-	-	-	2	-	-	-	1	-	
Hampstead WH		19106	11	12	5	2	-	-	2	-	-	-	-	-	-	-	-	1	
Regent's Park Pancras		34927	25	10	-	1	-	-	2	-	-	-	-	-	-	-	1	-	
Tottenham-court WH		23871	27	22	3	11	-	-	-	-	-	-	-	-	-	-	2	9	
Gray's Inn Lane H		27808	19	17	4	5	-	-	-	-	-	-	-	-	-	3	5	2	
Somers Town		38099	33	11	3	1	-	-	1	-	-	-	1	-	-	-	-	-	
Camden Town W		23266	17	17	1	8	-	-	-	-	-	-	-	-	-	-	-	1	
Kentish Town		44317	57	23	5	5	-	1	1	1	1	-	-	-	-	1	3	-	
Islington West* WHH		75442	67	51	8	10	1	-	3	-	-	3	1	1	-	1	5	17	
Islington East WH		79899	81	56	12	9	-	2	4	-	2	-	1	-	1	1	1	1	
Stoke Newington		6508	7	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-	
Stamford Hill		5483	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	30	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
Hackney WHW		31451	28	23	3	7	1	-	1	-	-	-	3	-	-	1	1	5	
South Hackney L		15458	22	10	7	-	-	-	-	-	1	-	-	-	-	-	1	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	15	10	3	3	-	-	-	-	-	-	-	-	-	-	1	-	
St. Giles South W		19433	16	15	4	4	-	-	-	-	-	-	-	-	-	-	-	6	
St. Giles North		17201	15	11	1	4	-	-	-	-	-	-	-	-	1	-	2	-	
Long Acre		11618	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH		11071	9	9	1	3	-	-	-	-	-	-	-	-	1	-	1	5	
St. Mary-le-Strand		10346	8	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		15207	10	5	-	2	-	-	-	-	-	-	-	-	-	-	-	1	
St. George-the-Martyr H		19903	13	10	2	1	-	-	-	-	-	-	-	-	-	-	1	-	
St. Andrew East Holborn W		12947	8	6	-	2	-	-	-	-	-	-	-	-	-	1	1	4	
Saffron Hill		12012	10	5	-	2	-	-	1	-	-	-	-	-	-	1	-	-	
St. James Clerkenwell W		19122	15	14	2	4	-	-	-	1	1	-	-	-	-	-	1	3	
Amwell Clerkenwell		17250	12	8	1	2	-	-	1	-	-	-	-	-	-	-	-	-	
Pentonville		13079	9	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street		16200	15	9	3	2	-	-	-	-	-	-	-	-	1	1	-	-	
Old-street		11504	8	7	-	2	-	-	-	-	-	-	-	1	-	-	-	-	
City-road HL		17860	30	5	-	1	-	-	-	-	-	-	-	-	-	-	-	1	
Whitecross-street		14778	11	6	3	1	-	-	-	-	-	-	-	-	-	-	1	-	
Finsbury		12931	3	10	3	2	-	-	-	-	1	-	-	-	-	1	2	-	
St. Botolph East London		20990	11	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate		19837	6	6	2	1	-	-	-	1	-	-	-	-	-	-	-	-	
St. Sepulchre WH		11750	3	13	3	-	-	-	-	-	-	-	-	-	-	2	2	9	
St. Bride		15395	8	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9023	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Allhallows Barking		8559	5	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
aturday, 12th March 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
olywell Shoreditch	17818	5	2	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Leonard Shoreditch Lt	19188	14	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
oxton New Town W	26516	31	20	4	-	-	-	1	1	1	1	-	-	-	1	-	-	4
oxton Old Town -	25777	15	12	6	6	1	-	1	1	-	-	-	-	-	-	3	-	-
aggerstone West W	23260	21	15	5	-	-	1	-	2	-	-	-	-	-	-	-	-	8
aggerstone East -	17310	35	10	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
ackney-road	26298	21	12	3	1	-	1	1	-	-	-	-	-	-	-	-	-	-
reen, Bethnal Green WHLt	31789	35	19	4	2	-	-	2	-	1	-	-	-	-	-	-	-	4
church, Bethnal Green	25528	32	8	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-
own, Bethnal Green -	21486	10	8	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
rtillery Whitechapel	6557	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ptalfields	15700	13	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ile End New Town W	15392	21	6	1	1	-	-	-	-	-	-	-	-	1	-	1	2	3
Whitechapel North	12122	6	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church H	8062	4	12	1	1	-	-	-	-	-	-	-	-	-	1	1	-	10
oodman's Fields -	11166	10	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
ldgate	9971	6	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
t. Mary St. George East	18181	12	9	2	2	-	-	-	-	1	-	-	-	-	-	1	-	-
t. Paul St. George East	21015	18	4	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
t. John St. George East W	9695	10	5	2	-	-	-	-	-	-	-	-	-	-	1	1	2	-
hadwell W -	12537	10	3	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
atchell WH	16874	13	10	2	4	-	-	-	-	1	-	-	-	-	1	1	-	1
imehouse W	27161	23	16	5	3	1	1	3	-	-	-	-	-	-	-	2	-	-
ile End Old Town West	83747	39	10	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-
ile End Old Town East W	89317	48	22	6	6	1	-	2	-	1	-	1	-	-	-	2	1	-
ow W	85667	53	84	5	4	-	1	3	1	-	-	-	-	-	-	-	7	-
oplar W	43529	46	15	1	7	-	-	-	-	-	-	-	-	-	-	2	2	5
SOUTH DISTRICTS.																		
ristchurch Southwark W	17069	12	9	2	4	-	-	1	-	-	-	-	-	-	-	-	-	1
t. Saviour Southwark H	19101	15	11	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ent-road	19652	18	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
orough-road W -	16688	9	14	2	3	-	-	2	-	-	-	-	-	-	-	-	-	2
ondon-road L	19190	13	6	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
rinity Newington	22675	23	8	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-
t. Peter Walworth W	44463	61	23	8	3	-	-	1	-	-	-	-	-	-	-	-	-	-
t. Mary Newington H	15082	15	15	1	2	-	-	-	-	-	-	-	-	-	1	-	-	6
t. Olive Southwark H	7683	4	20	-	5	-	-	-	-	-	-	-	-	-	-	1	1	20
t. John Horsleydown W	11398	10	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ather Market	16986	6	6	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-
t. Mary Magdalen W	16505	12	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	4
t. James Bermondsey	25154	45	14	3	3	-	-	2	1	-	-	-	-	-	-	-	-	-
otherhithe W -	24502	22	14	2	4	1	-	-	-	-	-	1	-	-	-	1	-	3
Waterloo-road 1st -	15269	14	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo-road 2nd	18640	17	13	2	2	-	1	1	-	1	1	-	-	-	1	1	1	1
ambeth Church 1st	19839	14	9	6	-	-	-	-	-	2	-	-	-	-	-	-	-	-
ambeth Church 2nd W	29542	33	18	4	-	-	1	-	-	1	-	1	1	-	1	1	1	6
ennington 1st	30785	29	17	3	8	-	-	-	-	-	-	1	-	-	-	1	1	-
ennington 2nd	20440	21	18	4	6	-	-	1	-	1	-	-	-	-	-	1	-	-
rixton	20967	26	9	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
orwood W -	7462	7	10	3	1	-	-	-	-	1	2	-	-	-	-	-	-	2
apham -	20894	17	10	3	2	-	-	1	-	1	-	-	-	-	-	-	1	-
attersea W	19600	44	24	7	1	-	1	3	-	-	-	-	-	-	1	-	1	2
andsworth L	13346	19	9	1	2	-	-	-	-	-	-	-	-	-	-	1	2	1
utney -	6481	7	3	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-
reatbam -	10982	9	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
ulwich -	1723	-	2	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-
amberwell W	21297	15	18	1	7	-	1	1	-	-	-	1	-	-	-	-	2	5
eckham W	28135	29	19	6	5	-	-	1	-	3	-	-	1	-	-	-	-	-
t. George Camberwell -	20333	23	19	5	3	-	-	4	-	2	-	-	-	-	-	-	-	-
t. Paul Deptford	37834	44	19	4	8	-	-	-	-	-	-	-	-	-	-	-	1	-
t. Nicholas Deptford	8139	5	5	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
reenwich West H	21696	16	7	-	5	-	-	-	-	1	-	-	-	-	-	-	-	-
reenwich East WH	18306	16	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-	3
ltham -	3009	1	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ee -	11063	16	5	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-
ewisham Village W	7372	6	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ydenham	10595	15	5	2	2	-	-	1	-	-	-	-	-	-	-	-	-	-
harlton H -	9276	9	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
oolwich Dockyard H	22919	14	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
oolwich Arsenal H	18776	23	12	3	-	-	2	1	-	1	-	1	-	-	-	-	-	-
umstead West -	24502	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
umstead East		15	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
 Tottenham-court sub-district.
 London City " " Islington East.
 Do. do. " " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.
 Mile End Old Town Eastern sub-dist. and
 Bow sub-district.
 Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 12th MARCH, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		PARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE.				WIND.				RAIN.			
Phases of Moon.		Mean reading (corrected and reduced to 32° F. at base of belt).	Mean reading (corrected)	Dry.		Dew Point.		Highest in the sun, as a self-registering thermometer.		Lowest in the sun, as a self-registering thermometer.		In the Water of the Thames at self-registering Thermometers.		Between Dew Point and Air Temperature.		Between mean temperature of the day and the same day of the year.		Degree of humidity, complete on the same day of 100.		As deduced from Anemometers.				Collected in Gauge whose receiving surface is above the ground.	
		High-est.	Low-est.	Range.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Oster's.		Robertson's.		
		est.	est.	in day.	value.	value.	value.	value.	value.	value.	value.	value.	value.	value.	value.	value.	value.	value.	value.	value.	Pressure on square foot.		Amount of Movement of Air on each day.		
																					General Direction.		Horizontal Movement of Air on each day.		
																					A.M.		P.M.		
																					Great-est.		Least.		
																					lbs.		lbs.		
																					N.E. & N.E.		N.E. & N.E.		
																					N.N.E.		N.N.E.		
																					N.N.E.		N.N.E.		
																					N. & N.		N. & N.		
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NOTES.

The height of the stem of the barometer is considered to be 159 cent above the mean level of the sea. The readings of the barometer are considered to be coincident with the readings of the dry thermometer. The observations are taken at 9 h. A.M., 3 p.m., and 9 p.m. The dry thermometer is observed at the same times. The wet thermometer is observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845. December 31.—See *Phil. Trans.*, part I, 1848. The mean daily dew point and degree of humidity are deduced from mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers entering in column 7, include the observations of the dry thermometer read at 9 h. A.M.; noon; 3 h. p.m.; and 9 p.m., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31. In reading the 17th column it will be borne in mind that a read "*higher*," and "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the T'uanies is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 30.13 in. at the beginning of the week to 30.29 in. on the 9th, and then decreased to 30.04 in. on the 11th, increased to 30.07 in. on the 12th, and to 30.13 in. on the 13th. The wind was from the S.W. on the 9th, from the S. on the 10th, from the S.W. on the 11th, from the S. on the 12th, and was 29.53 in. on the 13th.

The wind on the 14th was from the S.W. and the temperature of the water was 29.53 in.

SKY AND ATMOSPHERE.

Fine and partially cloudy during the morning, overcast afterwards.
A little thin rain fell occasionally in the afternoon.

Generally overcast. Thin rain fell occasionally in the evening.

Overcast, with slight exceptions, throughout the day.

Overcast generally. Rain fell at intervals in the afternoon and evening.

Generally overcast till evening, then cloudless. Fog prevailed in the morning and also at night.

Generally overcast. Gloomy at times during the morning.

Partially cloudy. Snow fell for a short time in the morning.

ELECTRICITY.

The insulating lamp was not burning.

No electricity was shown.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 11. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, MARCH 19. [Price 1d.

*General Register Office, Somerset House,
21st March 1870.*

IN the week that ended on Saturday, 19th March, 5319 BIRTHS and 3576 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 26 per 1000 persons estimated to be living, against 28 and 26 in the two previous weeks.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow:—20 per 1000 in Hull and Leicester, 21 in Bradford and Birmingham, 22 in Newcastle-upon-Tyne, 23 in Leeds, Bristol, and Salford, 24 in Wolverhampton and Norwich, 25 in Sunderland, London, and Sheffield, 26 in Nottingham, 27 in Liverpool, 29 in Portsmouth, and 32 in the city of Manchester. The epidemic of scarlet fever which recently prevailed with more or less severity in London and most of the other large towns, has shown a continuous decline in recent weeks. The deaths referred to this disease fell considerably last week in Liverpool and Leeds, but again showed an increase in Sheffield, in which town 24 fatal cases were registered; in Nottingham also the disease was more prevalent.

The death-rate in the city of Bristol last week showed a considerable decline upon the high rates prevailing in that city since the beginning of the year. In the first ten weeks of the current quarter, ending 12th inst., the death-rate in Bristol averaged 33 per 1000, a rate considerably in excess of that prevailing during the same period in any of the 16 other large English towns furnishing weekly returns, including London, Liverpool, and Manchester. Measles, scarlatina, and whooping-cough have been somewhat fatally prevalent in Bristol, but not to an extent to account for the unusually high rate of mortality, which Mr. David Davis, M.R.C.S., the able Medical Officer of Health, almost entirely attributes to the late “strange” and unusual alternations of damp and mild weather with a South wind, and “cold and dry weather with an East or North-east wind.” He considers that Bristol suffers with a peculiar severity from such alternations of temperature, which he explains in the following words:—“Situated in the warm valley of the Avon “with the prevailing winds from the Bristol Channel warm and loaded with “moisture, we have the climate of South Devonshire; we thus become susceptible “of change of temperature, especially with a dry irritating East wind. The East “and North-east winds sweep down the Valley of the Avon with peculiar force.” Certain it is that the annual death-rate in Bristol from diseases of the respiratory organs, including phthisis, during the first ten weeks of this year was 14 per 1000, while in London it did not exceed 10, per 1000.

The deaths registered last week in Edinburgh were at the annual rate of 24 per 1000 persons living, in Glasgow 38 per 1000, and in Dublin 28.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 33 per 1000 persons living. The deaths in Berlin in the seven days ending Thursday, 17th inst., gave an annual rate of 34 per 1000, and in Vienna during the week ending 12th inst. a rate of 33 per 1000. Small-pox shows increasing prevalence in Paris, 112 fatal cases being reported last week, against 97 and 90 in the two previous weeks.

In LONDON the BIRTHS of 1150 boys and 1158 girls, in all 2308 children, were registered last week. In the corresponding weeks of ten years 1860-69 the average number, corrected for increase of population, was 2330.

The DEATHS registered in LONDON during the week were 1532. It was the eleventh week of the year; and the average number of deaths for that week was, with a correction for increase of population, 1648. The deaths in the present return are less by 116 than the estimated number.

Six hundred and thirteen children died under 5 years of age, 101 young persons were 5 and under 20, 218 persons were 20 and under 40, 259 were 40 and under 60, 272 were 60 and under 80, and 69 were 80 years of age and upwards.

The deaths from zymotic diseases were 268, the corrected average number being 317. Three deaths from small-pox, 20 from measles, 81 from scarlet fever, 4 from diphtheria, 65 from whooping-cough, 8 from typhus fever, 8 from enteric (or typhoid) fever, 13 from simple continued fever, and 11 from diarrhoea were registered.

The deaths from scarlet fever exhibit an increase of 12 on the number recorded in the preceding week. Thirteen cases occurred in the West Districts, 23 in the North, 6 in the Central, 9 in the East, and 30 in the South Districts. Six cases were registered in the sub-district of St. Mary Paddington, 6 in the sub-district of St. Peter Walworth, and 7 in the sub-district of St. James Bermondsey.

The son of a carman, aged 3 years, died on 8th March, at 22 Edward-square, Caledonian-road, from "measles, bronchitis, ulcerated mouth." The registrar remarks:—"Much illness from bad drainage in this house."

A comparison of the deaths from fever with those registered in the previous week shows a decrease of 4 on the total number; an increase of 4 deaths from typhus fever, a decrease of 11 deaths from enteric (or typhoid fever), and an increase of 3 deaths from simple continued fever.

One hundred and ninety-three persons died from phthisis, 212 from bronchitis, and 86 from pneumonia.

The deaths of 4 children and one adult from burns or scalds, of 2 persons from drowning, and of 7 infants from suffocation were registered.

The deaths of 251 persons in Public Institutions of the Metropolis were registered; of these 159 occurred in Workhouses, 3 in Military and Naval Asylums, 64 in General Hospitals, 14 in Hospitals for special diseases, one in a Lying-in Hospital, 2 in Military Hospitals, one in an Hospital for Foreigners, and 7 in Lunatic Asylums.

The following deaths of 4 persons who were killed by horses or vehicles in the streets were recorded:—

The son of a labourer, aged 10 years, "fractured ribs; fell from a horse." Died on 12th March in St. George's Hospital. (*Inquest.*)

The widow of a wheelwright, aged 74 years, "injury of leg; run over by a Hansom cab." Died on 17th March at 75 Berwick-street, Westminster.

A carter, aged 37 years, "fracture of skull; fell under the wheel of a cart." Died on 12th March in Cambridge-street, Camden-town." *Post mort.* (*Inquest.*)

The son of a broker, aged 7 years, "fractured ribs; run over by an omnibus." Died on 9th March in the German Hospital, Hackney." (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·815 in. The barometrical reading increased from 29·45 in. on Wednesday, 16th March, to 30·29 in. on Saturday, 19th March. The mean temperature of the air in the week was 41·0°, which is 0·9° below the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was 58·8° on Wednesday, 16th March. The lowest night temperature was 23·1° on Monday, 14th March. The entire range of temperature in the week was, therefore, 35·7°. The mean of the highest temperatures of the water of the Thames was 43·0°; that of the lowest was 41·6°. The difference between the mean dew-point temperature and air temperature was 5·1°. The mean degree of humidity of the air was 82, complete saturation being represented by 100. A heavy fall of snow occurred in the early morning of Sunday, 13th March. Rain or melted snow was measured during the week to the amount of 0·44 in. The direction of the wind was variable.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 222,424 cubic metres, and at Barking 159,793 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the ELEVENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	2023	1960	1940	1952	2177	2310	2218	2146	2238	2166	2118·0	2308
Males . .	1046	996	991	1006	1117	1185	1140	1098	1172	1116	1086·7	1150
Females . .	977	964	949	946	1060	1125	1078	1048	1116	1050	1031·3	1158
TOTAL Deaths	1563	1226	1423	1561	1503	1538	1738	1572	1309	1549	1498·7	1532
Males . .	771	633	715	802	743	794	869	763	665	777	753·2	775
Females . .	792	593	708	759	765	744	869	809	644	772	745·5	757

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Dec. 25.	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.
TOTAL Deaths - - -	1357	1996	1697	1664	1652	1613	1828	1568	1716	1861	1673	1499	1532
Deaths under 5 years of age -	596	840	694	666	668	634	681	616	687	713	640	547	613
Deaths 5—20 - - -	130	157	105	115	109	125	134	117	123	120	116	93	101
Deaths 20—40 - - -	159	244	192	233	213	220	222	188	225	214	218	221	218
Deaths 40—60 - - -	212	297	256	271	254	255	332	279	298	313	286	280	259
Deaths 60—80 - - -	221	366	367	291	321	312	380	310	311	412	341	304	272
Deaths at 80 years & upwards	39	92	83	88	87	67	79	58	72	89	72	54	69
Deaths from Small-pox -	5	7	6	12	8	5	11	4	10	11	8	6	3
„ „ Measles - - -	31	59	30	40	41	28	28	23	17	18	21	17	20
„ „ Scarlet Fever -	123	159	134	114	143	118	107	103	104	111	78	69	81
„ „ Diphtheria - -	7	9	5	8	8	7	5	3	3	5	8	6	4
„ „ Whooping-cough -	65	57	67	53	55	67	79	65	61	79	58	49	65
„ „ Typhus fever - -	8	12	4	13	12	7	14	6	9	8	6	4	8
„ „ Enteric (or Ty- phoid) fever - } „ „ Simple Cont'g fever	14	18	13	14	12	17	9	22	21	11	14	19	8
„ „ Diarrhoea - - -	16	21	18	23	15	11	12	5	9	13	15	10	13
„ „ Phthisis - - -	14	22	19	13	15	8	17	11	20	15	16	14	11
„ „ Bronchitis - - -	119	207	138	179	175	180	198	170	191	226	171	209	193
„ „ Pneumonia - - -	185	305	295	233	242	277	316	265	335	323	305	232	212
„ „ Heart Disease -	87	120	102	116	87	81	114	74	109	90	89	98	86
„ „	55	91	82	71	64	84	91	66	76	77	76	54	74
Mean Temperature of the Air	38·2	34·2	45·2	39·3	36·1	31·6	42·0	32·4	30·7	36·9	45·8	38·4	41·0
Mean Temperature of the Water of the Thames - }	41·6	33·4	39·5	41·0	39·1	37·7	39·9	37·8	31·5	33·2	40·2	39·6	42·3
Humidity of the Air - - -	85	83	87	87	82	82	87	72	74	75	85	81	82
Rain-fall in inches - - -	0·86	0·31	0·79	0·48	0·05	0·00	0·25	0·25	0·05	0·05	1·22	0·02	0·44

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 19th day of March 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 19th Mar.	DEATHS registered during the Week ending 19th Mar.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	5319	3576	60·8	21·0	41·5	5·28	0·38	0·96
LONDON - - -	77,997	3,214,707	41·2	2308	1532	58·8	23·1	41·0	5·00	0·44	1·12
PORTSMOUTH - -	9,513	122,084	12·8	72	69	61·4	26·1	42·1	5·62	0·39	0·99
NORWICH - - -	7,472	81,087	10·9	55	38	54·0	25·0	39·1	3·95	0·44	1·12
BRISTOL - - -	4,688	171,382	36·6	122	76	55·9	22·4	41·3	5·17	0·43	1·10
WOLVERHAMPTON -	3,387	72,990	21·5	54	33	54·2	22·8	40·8	4·89	0·22	0·56
BIRMINGHAM - -	7,831	369,604	47·2	269	150	55·6	25·0	41·4	5·22	0·25	0·64
LEICESTER - - -	3,200	97,427	30·4	85	37	55·7	23·2	41·5	5·28	0·18	0·45
NOTTINGHAM - -	1,996	88,888	44·5	60	44	55·9	21·6	40·8	4·89	0·24	0·61
LIVERPOOL - - -	5,108	517,567	101·3	355	272	55·4	28·3	42·8	6·01	0·25	0·64
MANCHESTER - -	4,486	374,993	83·6	282	232	53·5	22·0	41·9	5·50	0·92	2·34
SALFORD - - -	5,172	121,580	23·5	92	54	53·5	22·8	41·8	5·45	0·96	2·44
BRADFORD - - -	6,590	143,197	21·7	101	58	55·3	28·0	43·0	6·11	0·20	0·51
LEEDS - - -	21,572	259,527	12·0	255	115	56·0	28·0	41·7	5·39	0·22	0·56
SHEFFIELD - - -	22,830	247,378	10·8	203	118	54·8	25·2	42·1	5·62	0·25	0·64
HULL - - -	3,562	130,869	36·7	84	49	55·0	21·0	38·6	3·67	0·51	1·30
SUNDERLAND - -	3,306	100,979	30·5	112	43	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	91	57	54·0	25·0	41·8	5·45	0·18	0·45
EDINBURGH - - -	4,427	178,970	40·4	138	84	50·7	22·0	40·2	4·55	0·20	0·51
GLASGOW - - -	5,063	468,189	92·5	394	340	50·4	24·0	41·6	5·34	0·50	1·27
DUBLIN - - -	9,745	321,540	33·0	187	170	60·8	24·0	45·3	7·39	0·37	0·94
PARIS - - -	7,802	1,889,842	242	—	1189	—	—	—	—	—	—
						Week ending 12th March 1870.					
VIENNA - - -	3,728*	605,200	162	Week ending 12 Mar. 1870. 627	Week ending 12 Mar. 1870. 378	—	—	37·2	2·88	—	—
						Week ending 17th March 1870.					
BERLIN - - -	6,253	702,437	112	Week ending 17 Mar. 1870. 627	Week ending 17 Mar. 1870. 460	43·3	26·2	32·0	0·00	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 19th day of March 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include										
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Dysentery.	Violence.	Inquest Cases.
LONDON - - -	25	1532	316	341	3	20	81	4	65	29	11	37	73
PORTSMOUTH - -	29	69	22	13	—	1	3	—	2	—	—	2	3
NORWICH - - -	24	38	7	11	—	—	—	1	1	1	—	—	—
BRISTOL - - -	23	76	20	17	—	1	2	1	2	1	3	2	4
WOLVERHAMPTON -	24	33	10	6	—	—	—	—	2	3	—	1	—
BIRMINGHAM - -	21	150	40	34	—	—	3	1	8	4	2	6	15
LEICESTER - - -	20	37	12	1	—	1	1	—	—	3	1	—	1
NOTTINGHAM - -	26	44	7	12	—	2	6	1	1	—	—	—	1
LIVERPOOL - - -	27	272	73	63	—	—	9	4	4	6	9	12	14
MANCHESTER - -	32	232	52	39	1	2	5	—	21	11	3	2	15
SALFORD - - -	23	54	20	6	1	—	1	—	3	—	3	2	3
BRADFORD - - -	21	58	14	13	1	—	4	—	—	1	2	—	1
LEEDS - - -	23	115	31	21	—	—	8	1	4	6	3	3	4
SHEFFIELD - - -	25	118	23	23	—	1	24	—	1	—	2	1	2
HULL - - -	20	49	12	8	—	—	5	—	—	1	—	2	2
SUNDERLAND - -	25	48	12	16	—	—	1	—	—	1	1	1	—
NEWCASTLE-ON-TYNE	22	57	12	9	—	—	2	1	2	2	2	5	6
DUBLIN - - -	28	170	18	46	—	2	8	1	1	4	2	3	6

TABLE 5.—DEATHS in LONDON Registered in the ELEVENTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Eleventh Week in the 10 years 1860-69.	In the Week ending Saturday, March 19, 1870.							CAUSES OF DEATH.		Averages of the Eleventh Week in the 10 years 1860-69.	In the Week ending Saturday, March 19, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.				ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.
				Mean Tem.	0-5.									5-20.	Mean Tem.					0-5.	5-20.
Mean Temperature	-	40.0	41.0	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	-	40.0	41.0	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES		1498.7	1532	613	101	218	259	272	69										
SPECIFIED CAUSES		1481.4	1526	611	101	214	259	272	69										
ZYMOTIC DISEASES.																			
ORDER 1.																			
Small-pox	-	18.7	3	2	1	-	-	-	-										
Measles	-	27.6	20	19	1	-	-	-	-										
Scarlet Fever (Scarlatina)	-	33.4	81	55	25	1	-	-	-										
Diphtheria	-	9.6	4	4	-	-	-	-	-										
Quinsy	-	1.9	-	-	-	-	-	-	-										
Croup	-	15.3	10	7	3	-	-	-	-										
Whooping-cough	-	65.5	65	61	4	-	-	-	-										
Typhus	-	8	8	-	2	1	4	1	-										
Enteric or Typhoid Fever	-	55.2	13	4	1	1	2	3	1										
Simple continued Fever	-	6.5	7	6	2	1	1	2	2										
Erysipelas	-	4.3	7	3	-	-	-	-	-										
Puerperal Fever (Metria)	-	4.3	6	-	-	6	-	-	-										
Carbuncle	-	1.2	1	-	-	-	-	1	-										
Influenza	-	1.8	1	1	-	-	-	-	-										
Dysentery	-	1.9	1	-	-	-	-	-	1										
Diarrhœa	-	12.0	11	7	-	1	-	3	-										
Simple Cholera	-	3	1	1	-	-	-	-	-										
Ague	-	1.8	1	-	-	-	-	-	-										
Remittent Fever	-	8.5	8	-	1	1	3	3	-										
Rheumatism	-	2	-	-	-	-	-	-	-										
Other Zymotic Diseases	-		-	-	-	-	-	-	-										
ORDER 2.																			
Syphilis	-	7.7	5	5	-	-	-	-	-										
Stricture of Urethra	-	1.0	2	-	-	1	1	-	-										
Hydrophobia	-		-	-	-	-	-	-	-										
Glanders	-	1	-	-	-	-	-	-	-										
ORDER 3.																			
Privation	-	7	8	8	-	-	-	-	-										
Want of Breast-milk	-	5.6	8	-	-	-	-	-	-										
Purpura and Scoury	-	1.9	2	1	-	1	-	-	-										
Alcohol & Del. Tremens	-	2.0	1	-	-	-	1	-	-										
Intoxication & Intemperance	-	1.0	1	-	-	1	-	-	-										
ORDER 4.																			
Thrush	-	2.9	-	-	-	-	-	-	-										
Worms, &c.	-	3	1	1	-	-	-	-	-										
CONSTITUTIONAL DIS.																			
ORDER 1.																			
Gout	-	2.4	3	-	-	-	2	1	-										
Dropsy	-	16.2	13	-	1	2	5	4	1										
Cancer	-	25.0	35	-	2	3	14	16	-										
Cancerum Oris (Noma)	-	5	1	-	-	-	-	-	-										
Mortification	-	4.6	4	-	-	-	2	2	-										
ORDER 2.																			
Scrofula	-	9.7	4	3	-	-	1	-	-										
Tabes Mesenterica	-	19.1	20	20	-	-	-	-	-										
Phthisis	-	184.5	193	10	19	104	51	9	-										
Hydrocephalus	-	35.2	29	23	5	1	-	-	-										
I. LOCAL DISEASES.																			
ORDER 1.																			
Cephalitis	-	13.1	24	14	3	3	3	1	-										
Apoplexy	-	38.6	44	7	1	10	11	15	-										
Paralysis	-	31.5	39	-	-	1	9	25	4										
Insanity	-	1.2	2	-	-	-	-	-	-										
Chorea	-	3	1	-	1	-	-	-	-										
Epilepsy	-	8.1	7	-	-	1	4	2	-										
Convulsions	-	58.7	66	65	1	-	-	-	-										
Brain Disease, &c.	-	19.3	13	3	3	1	3	3	-										
ORDER 2.																			
Pericarditis	-	2.0	2	-	2	-	-	-	-										
Aneurism	-	3.0	2	-	-	1	-	1	-										
Heart Disease, &c.	-	70.7	74	1	1	20	21	26	5										
ORDER 3.																			
Laryngitis	-	11.1	23	19	-	1	1	2	-										
Bronchitis	-	197.7	212	62	7	7	47	76	13										
Pleurisy	-	2.4	4	1	-	-	1	2	-										
Pneumonia	-	96.4	86	57	3	2	16	8	-										
Asthma	-	14.3	16	-	1	2	5	6	2										
Lung Disease, &c.	-	14.4	22	8	-	6	5	3	-										
ORDER 4.																			
Gastritis	-	1.4	-	-	-	-	-	-	-										
Esteritis	-	4.5	-	2	-	-	-	-	-										
Peritonitis	-	4.9	3	-	-	1	2	-	-										
Ascites	-	3.0	-	-	-	-	-	-	-										
Ulceration of Intestines	-	2.8	4	-	-	3	1	-	-										
Hernia	-	3.7	5	-	-	-	2	3	-										
Ileus	-	2.4	2	-	-	1	-	-	1										
Intussusception	-	8	-	-	-	-	-	-	-										

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.*	
LONDON		2,803,989	2308	1532	316	341	3	20	81	4	65	8	8	13	11	37	73	251	
WEST DISTRICTS		468,125	372	270	51	58	-	2	13	-	16	1	1	2	2	12	15	39	
NORTH DISTRICTS		618,210	518	337	67	96	-	3	23	-	10	1	1	4	-	11	24	45	
CENTRAL DISTRICTS		383,321	230	180	31	39	-	2	6	-	5	-	2	1	1	4	11	41	
EAST DISTRICTS		571,153	501	320	74	49	3	4	9	1	16	3	1	2	4	4	12	69	
SOUTH DISTRICTS		773,175	687	425	93	99	-	9	30	3	18	3	3	4	4	6	11	57	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	39	24	7	1	-	2	6	-	2	-	-	-	-	-	-	-	
St. John Paddington H		36769	17	13	-	4	-	-	-	-	1	-	-	-	2	2	3	-	
Kensington Town W		51910	68	36	8	4	-	-	-	-	2	1	-	-	-	-	-	-	
Brompton H		18193	17	10	1	4	-	-	-	-	-	-	-	-	-	-	-	1	
St. Peter Hammersmith		5415	3	2	1	1	-	-	-	-	1	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	28	18	2	3	-	-	2	-	4	-	-	-	1	-	2	-	
Fulham W		15539	23	16	5	5	-	-	-	-	1	-	-	-	-	-	2	-	
Chelsea South H		21654	15	9	-	5	-	-	-	-	-	-	1	-	-	-	-	2	
Chelsea North-west HW		19309	20	18	4	4	-	-	-	-	1	-	-	-	-	1	-	5	
Chelsea North-east		21886	18	5	-	2	-	-	-	-	-	-	-	-	2	2	-	-	
Hanover Square		19773	6	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W		12885	4	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	23	32	8	5	-	-	2	-	-	-	-	-	-	5	6	9	
St. John Westminster		37483	33	23	5	5	-	-	1	-	2	-	-	-	-	-	-	-	
St. Margaret Westminster WH		30730	23	33	5	7	-	-	2	-	3	-	-	1	-	2	14	-	
St. James's Square		10753	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	10	7	3	-	-	-	-	-	-	-	-	-	-	-	-	1	
Berwick-street		19607	5	4	-	2	-	-	-	-	-	-	-	-	-	1	-	-	
St. Anne Soho		17425	12	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	21	14	3	1	-	-	2	-	1	-	-	-	-	-	2	3	
Cavendish Square		15090	5	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W		26692	14	30	7	12	-	-	-	-	-	-	-	1	-	-	1	12	
St. Mary Marylebone		22493	23	10	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch Marylebone		34913	15	10	1	3	-	-	-	-	-	-	-	-	-	-	1	-	
St. John Marylebone		32640	18	7	2	2	-	-	-	-	1	-	-	-	-	1	1	-	
Hampstead WH		19106	14	17	3	5	-	1	3	-	1	-	-	-	-	-	-	1	
Regent's Park Pancras		84927	23	14	5	3	-	-	1	-	1	-	-	-	-	1	1	-	
Tottenham-court WH		29371	23	24	2	8	-	-	1	-	-	-	1	-	-	1	-	9	
Gray's Inn Lane H		27808	17	4	1	1	-	-	-	-	-	-	-	1	1	-	-	-	
Somers Town		39099	27	12	1	4	-	-	-	-	-	-	1	-	-	1	3	-	
Camden Town W		23266	18	12	4	5	-	-	-	-	-	-	-	-	-	2	4	6	
Kentish Town		44317	42	37	10	7	-	1	4	-	1	-	-	-	-	1	3	-	
Islington West* WHH		75442	72	45	11	14	-	1	4	-	4	-	-	-	-	-	-	7	
Islington East Ww		79899	101	50	9	15	-	-	6	-	-	-	-	1	-	2	3	2	
Stoke Newington		6608	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill		5483	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	14	8	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Hackney WHW		31481	39	30	6	8	-	-	-	-	1	1	-	1	-	2	4	4	
South Hackney L		15438	23	9	-	4	-	-	-	-	-	-	-	-	-	1	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	7	7	2	1	-	-	-	-	2	-	-	-	-	-	-	-	
St. Giles South W		19483	19	16	3	1	-	-	1	-	-	-	-	-	-	-	-	5	
St. Giles North		17201	11	7	1	2	-	-	-	1	-	-	-	-	-	-	-	-	
Long Acre		11618	10	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH		11071	-	7	-	1	-	-	-	-	-	-	-	-	-	1	-	-	
St. Mary-le-Strand		10346	4	3	2	1	-	-	-	-	-	-	-	-	-	-	-	6	
St. Clement Danes H		15207	8	11	1	2	-	-	1	-	-	-	-	-	-	-	-	5	
St. George-the-Martyr H		19903	12	13	1	4	-	-	-	-	-	-	1	-	-	-	-	6	
St. Andrew East Holborn W		12947	15	15	1	5	-	-	1	-	-	-	-	-	-	-	-	10	
Saffron Hill		12012	8	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W		19152	11	8	2	2	-	-	1	1	-	-	-	-	-	-	-	-	
Amwell Clerkenwell		17250	17	8	2	3	-	-	-	-	-	-	-	-	-	2	2	1	
Pentonville		13079	7	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street		16200	14	7	2	2	-	-	-	-	1	-	-	-	-	-	-	-	
Old-street		11504	11	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
City-road HL		17860	25	1	-	-	-	-	-	-	-	-	-	1	-	-	1	-	
Whitecross-street		14778	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Finbury		12931	6	9	2	-	-	-	-	-	-	-	-	-	-	1	2	-	
St. Botolph East London		20990	9	8	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate		19637	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH		11750	8	10	-	1	-	-	-	-	-	-	-	-	-	-	-	7	
St. Bride W		15395	7	9	2	4	-	-	-	-	-	-	-	-	-	2	2	-	
Castle Baynard		7762	-	2	1	-	-	-	-	-	1	-	-	-	-	-	1	1	
Christchurch		9020	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	2	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Alhallowes Barking		8659	-	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	4	2	-	1	-	-	-	-	1	-	1	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 Sunday, 19th March 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
Ipswell Shoreditch	17313	4	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch L†	19188	15	15	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton New Town W	26516	25	16	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Hoxton Old Town -	25777	19	8	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-
Aggerstone West W	23260	24	14	2	5	-	1	1	1	1	-	-	-	-	1	-	12	5
Aggerstone East -	17310	15	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aggerstone-road -	26998	23	17	6	-	-	-	-	-	-	3	-	-	-	-	-	-	-
Green, Bethnal Green WHL†	31759	37	25	3	3	-	-	-	-	1	-	-	-	-	-	-	-	12
Green, Bethnal Green -	25528	28	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green -	21486	25	10	2	1	-	1	-	-	-	1	-	-	-	-	-	-	-
Whitechapel -	6557	4	5	2	2	-	-	-	-	-	-	-	1	-	-	-	-	-
Whitechapel -	15700	9	4	1	1	-	-	-	-	-	-	-	-	-	-	2	-	-
Whitechapel End New Town W	15392	14	21	3	3	-	-	-	-	-	-	-	-	1	-	-	-	-
Whitechapel North -	12122	9	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church H	8062	6	11	1	1	-	-	-	-	1	-	-	-	-	1	1	1	8
Whitechapel Fields -	11166	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel -	9971	1	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Mary St. George East -	18181	13	8	4	-	-	-	-	1	-	1	-	-	-	-	1	1	-
Paul St. George East -	21015	11	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
John St. George East W	9695	3	11	2	2	-	-	-	-	-	-	1	-	-	-	-	-	8
Adwell W -	12537	11	5	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Telliff WH -	16874	11	10	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-
House W -	27161	23	7	3	2	-	-	-	-	-	-	-	-	-	-	1	-	-
End Old Town West -	33747	17	9	3	-	-	-	-	1	-	1	-	-	-	-	-	-	-
End Old Town East Ww	89317	53	27	10	5	1	-	2	-	2	1	-	-	-	-	-	-	3
W W-L† -	35667	46	35	6	6	-	-	1	-	1	-	-	1	1	-	1	2	12
Plar W -	43229	38	23	6	5	1	1	2	-	1	-	1	-	-	-	-	5	5
SOUTH DISTRICTS.																		
Christchurch Southwark W	17069	14	12	-	3	-	-	-	2	-	1	-	-	-	-	-	-	2
Saviour Southwark H	19101	18	9	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Paul's W	18652	17	11	3	2	-	-	-	-	-	1	1	1	-	-	-	-	-
St. Paul's W -	18698	13	15	3	5	-	-	-	-	-	1	-	-	-	-	2	3	4
St. Paul's L -	19190	16	12	2	3	-	-	-	-	-	1	-	-	-	-	-	1	-
St. Paul's W -	22675	13	10	3	2	-	-	2	-	-	-	-	-	-	-	-	-	-
Peter Walworth W	44463	40	18	4	3	-	-	6	-	1	-	-	-	-	-	-	-	7
Mary Newington H	15082	6	5	1	-	-	-	1	-	1	-	-	-	-	1	-	-	1
Olive Southwark H	7683	5	8	1	-	-	-	-	-	-	-	-	-	-	-	3	3	7
John Horsleydown W	11393	5	8	3	4	-	-	-	-	-	-	-	-	-	-	-	-	2
Water Market -	16696	12	9	2	1	-	1	1	-	-	-	-	-	-	-	-	-	-
Mary Magdalen W -	16505	10	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	3
James Bernondsey -	26154	56	24	7	2	-	-	7	-	-	1	1	-	-	-	-	-	-
Therith W -	24502	13	9	3	-	-	-	-	-	-	1	-	1	1	-	-	-	-
Waterloo-road 1st -	15269	12	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo-road 2nd -	18640	21	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo Church 1st -	19839	17	10	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo Church 2nd W	29542	25	22	7	7	-	1	-	-	1	-	-	-	-	-	-	9	-
Waterloo 1st -	30785	30	15	3	4	-	1	1	-	2	-	-	-	-	-	-	-	-
Waterloo 2nd -	20440	19	15	3	3	-	1	-	-	1	-	-	-	-	-	-	-	-
Waterloo W -	20667	10	13	4	2	-	-	-	-	2	-	1	-	-	-	1	-	-
Waterloo W -	7462	13	3	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Waterloo W -	20894	17	13	4	6	-	-	1	-	-	-	-	-	-	-	-	1	-
Waterloo W -	15900	44	18	5	2	-	3	-	-	-	-	-	-	-	-	1	1	2
Waterloo L -	13846	10	6	2	2	-	-	-	-	2	-	-	-	-	-	-	-	2
Waterloo W -	6481	7	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo W -	10082	5	6	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Waterloo W -	1723	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo W-L† -	21237	14	16	4	6	-	-	1	-	-	-	-	-	-	-	-	-	-
Waterloo W -	23135	24	27	4	5	-	1	-	-	-	-	-	-	-	-	-	1	6
George Camberwell -	20333	27	10	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Paul Deptford -	37834	41	16	6	4	-	-	1	2	-	-	-	-	-	-	-	-	-
Nicholas Deptford -	4139	5	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Nicholas West H	21696	12	11	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-
Nicholas East WH	18306	16	14	2	5	-	-	-	-	-	-	-	-	-	-	-	-	8
Nicholas W -	3009	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nicholas W -	11063	10	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Nicholas Village W	7372	6	6	2	3	-	-	1	-	1	-	-	-	-	-	-	2	-
Nicholas W -	10595	11	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nicholas H -	9276	5	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
Nicholas Dockyard H	22919	12	9	-	2	-	-	1	-	1	-	1	-	-	1	-	-	-
Nicholas Arsenal H	18776	14	8	2	1	-	-	1	1	-	-	-	-	-	-	-	-	-
Nicholas West -	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nicholas East -	24502	13	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " " Tottenham-court sub-district.	London City " " { Mile End Old Town Eastern sub-dist. and
London City " " " Islington East.	Stepney " " { Bow sub-district.
Do. do. " " " Hackney sub-district.	

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 19th MARCH, 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BAROMETER.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.			
				Dry.			Dew Point.	Highest in the sun, as shown by a self-registering thermometer.	Lowest in the sun, as shown by a self-registering thermometer.	In the Water of Greenwich, by self-registering thermometers.		Between Dew Point and Temperature.		Air Temperature.	Between mean temperature of the day and the measure of the same day on an average of 50 years.*	As deduced from Anemometers.		General Direction.	Pressure on square foot.	Amount of Movement of Air above the ground.	Collected in a Gauge whose receiving vessel is 5 in. above the ground.				
Phases of Moon.		Mean daily reading (corrected for refraction and reduced to 32 deg. Fahrenheit).	High. est.	Low. est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Lowest.	Highest.	Least.	Great. est.	Mean daily value.	Least. est.	Great. est.	P. M.	A. M.	lbs.	lbs.	lbs.	Miles.	Inches			
MARCH.		in.																							
SUNDAY .	13	29.595	42.6	26.2	16.4	33.5	27.2	21.5	41.7	41.3	13.0	1.7	6.3	13.0	6.3	7.9	W. & N.E.	N.N.E. & W.S.W.	1.6	0.0	0.2	196	0.19		
MONDAY .	14	29.936	44.5	23.1	21.4	33.9	26.5	18.2	41.9	40.4	7.4	2.9	7.7	16.5	7.4	7.6	W.S.W.	S.W. & S.S.W.	0.9	0.0	0.0	214	0.00		
TUESDAY .	15	29.781	46.1	31.1	15.0	38.5	28.8	25.8	42.4	41.0	9.7	3.3	79.7	16.3	9.7	3.3	S. & S.S.W.	S.S.W.	3.5	0.0	0.7	367	0.00		
WEDNESDAY .	16	29.467	58.8	39.8	19.0	43.9	47.9	37.1	42.5	41.4	1.0	0.0	87.3	7.6	1.0	7.0	S.S.W.	S.W. & W.S.W.	7.9	0.0	1.3	482	0.15		
THURSDAY .	17	29.656	57.9	47.1	10.8	51.7	47.8	44.2	43.4	41.4	3.9	0.2	72.7	0.2	3.9	9.7	W.S.W.	W.N.W.	2.1	0.0	0.3	342	0.10		
FRIDAY .	18	30.006	50.6	39.0	11.6	44.0	41.0	37.2	43.9	42.4	3.0	1.1	61.8	6.5	3.0	1.9	N.W. & N.	N.N.E. & N.E.	1.0	0.0	0.1	262	0.00		
SATURDAY .	19	30.265	45.0	30.8	14.2	36.2	32.1	25.7	45.4	43.4	4.1	0.0	86.1	10.6	4.1	6.0	N.E.	E.N.E. & E.S.E.	0.4	0.0	0.0	190	0.00		
MEANS .		29.815	49.4	33.9	15.5	41.0	35.9	30.0	43.0	41.6	5.1	1.3	81.9	11.1	5.1	0.9	Variable.		..	..	..	Sum 2053	Sum 0.44
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from the years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry results wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., and by as the results deduced from the maximum and minimum thermometers, as deduced by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 59 years ending 1853, December 31. In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29.53 in. at the beginning of the week to 29.51 in. by 10h. A.M. on the 13th; increased to 29.46 in. by noon on the 14th; decreased to 29.45 in. by 3h. P.M. on the 16th; increased to 30.29 in. by noon on the 19th; and was nearly stationary till the end of the week.

SKY AND ATMOSPHERE.

In the early morning hours a heavy fall of snow occurred; generally fine and partially cloudy till evening; then cloudless. Heat frost and fog at night.

A fine day; light clouds prevailed. Lunar halo at night.

Fine; partially cloudy.

Generally overcast. Occasional showers of rain fell during the morning, and a gusty wind prevailed. Rain also fell at night.

Overcast. Rain fell heavily in the early morning hours, and thin rain fell occasionally in the afternoon and evening.

Overcast.

Overcast throughout the morning; partially cloudy in the afternoon; cloudless at night. A fine day.

ELECTRICITY.

DATE.

MARCH.

SUNDAY . 13

MONDAY . 14

TUESDAY . 15

WEDNESDAY . 16

THURSDAY . 17

FRIDAY . 18

SATURDAY . 19

No electricity was shown.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

~~~~~  
*By Authority of the Registrar General.*  
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PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 12. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, MARCH 26. [Price 1½d.

*General Register Office, Somerset House,
28th March 1870.*

In the week that ended on Saturday, 26th March, 5322 BIRTHS and 3365 DEATHS were registered in LONDON and NINETEEN other LARGE TOWNS of the United Kingdom. The deaths were lower than in any previous week of the year. The annual rate of mortality was 24 per 1000 persons estimated to be living, against 26 in each of the two previous weeks.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and BOROUGHs, ranged in order from the lowest, were as follow:—16 per 1000 in Nottingham, 17 in Norwich, 19 in Wolverhampton and Sunderland, 20 in Salford, Birmingham, and Sheffield, 21 in Portsmouth, 23 in Hull and Newcastle-upon-Tyne, 24 in Leeds, Leicester, and London, 25 in Bristol, 26 in Liverpool, 28 in Bradford, and 29 in Manchester. The deaths referred to the seven principal diseases of the zymotic class (see Table 4.) in the 17 large English towns declined last week to 396; the decrease in these deaths has been steadily maintained since the first few weeks of the year, when they averaged 600. The fatal prevalence of scarlet fever showed a further considerable decline last week in London and Sheffield, while it rose in Liverpool. The deaths from whooping-cough were again excessive in Manchester.

The deaths registered last week in Edinburgh were at the annual rate of 28 per 1000 persons living, in Glasgow 32 per 1000, and in Dublin 25.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 30 per 1000 persons living. The 496 deaths in Berlin in the seven days ending Thursday, 24th inst., gave an annual rate of 36 per 1000; and included 42 which were referred to diarrhoea, showing, for the time of year, a remarkable mortality from this disease, from which only 9 deaths resulted in London last week. The fatality from small-pox showed a slight decline in Paris last week; 81 deaths being referred to that disease, against 90 and 112 in the two previous weeks.

In LONDON the BIRTHS of 1151 boys and 1076 girls, in all 2227 children, were registered last week. In the corresponding weeks of ten years 1860-69 the average number, corrected for increase of population, was 2285.

The DEATHS registered in LONDON during the week were 1478. It was the twelfth week of the year; and the average number of deaths for that week was, with a correction for increase of population, 1652. The deaths in the present return are less by 174 than the estimated number.

Five hundred and seventy-seven children died under 5 years of age, 104 young persons were 5 and under 20, 217 persons were 20 and under 40, 241 were 40 and under 60, 271 were 60 and under 80, and 68 were 80 years of age and upwards.

The deaths from zymotic diseases were 237, the corrected average number being 322. Five deaths from small-pox, 19 from measles, 56 from scarlet fever, 5 from diphtheria, 53 from whooping-cough, 10 from typhus fever, 16 from enteric

(or typhoid) fever, 8 from simple continued fever, 2 from relapsing fever, and 9 from diarrhoea were registered.

The deaths from scarlet fever were less by 25 than the number recorded in the preceding week. Eight cases were registered in the West Districts, 14 in the North, 4 in the Central, 11 in the East, and 19 in the South Districts.

Of the 19 deaths registered from measles, 9 occurred in the South Districts.

Whooping-cough was most fatal in the North and South Districts.

One hundred and eighty-four persons died from phthisis, 221 from bronchitis, and 93 from pneumonia.

Diseases of the brain and nervous system proved fatal to 179 persons, and 70 deaths were caused by diseases of the organs of circulation.

The deaths of 5 children from burns or scalds, of 14 persons from drowning, of 9 infants and 2 adults from suffocation, and of 5 persons who committed suicide were recorded.

A female died on 21st March at Nazareth-house, Hammersmith, at the age (as stated) of 103 years.

The deaths of 257 persons in Public Institutions of the Metropolis were registered; of these 136 occurred in Workhouses, 2 in Military and Naval Asylums, 90 in General Hospitals, 9 in Hospitals for special diseases, 3 in Lying-in Hospitals, 3 in Military and Naval Hospitals, 4 in Hospitals and Asylums for Foreigners, and 10 in Lunatic Asylums.

The following deaths of 3 persons who were killed by horses or vehicles in the streets were recorded:—

A compositor, aged 57 years, "knocked down by a cab." Died on 23d March at 23 Great Crown-court, Westminster.

A grocer, aged 71 years, "fracture of neck of thigh bone; knocked down by a cab." Died on 16th March in the Middlesex Hospital." *Post mort.* (*Inquest.*)

The wife of a cooper, aged 72 years, "shock and injury to arm; run over by an omnibus." Died on 15th March in the London Hospital." (*Inquest.*)

Since the commencement of the present year the deaths of 42 persons who were killed by horses or vehicles in the streets of the Metropolis have been registered. The expected number of deaths calculated from previous observation was 52. Five persons were killed by horses, 10 by cabs, 15 by vans or waggons, 8 by carts, and 3 by omnibuses. One person was killed by a dray.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·847 in. The barometrical reading decreased from 30·29 in. at the beginning of the week to 29·58 in. on Friday, 25th March. The mean temperature of the air in the week was 38·1°, which is 4·1° below the average of the same week in 50 years, as determined by Mr. Glaisher. The highest day temperature was 53·6° on Tuesday, 22d March. The lowest night temperature was 28·1° on Friday, 25th March. The entire range of temperature in the week was, therefore, 25·5°. The mean of the highest temperatures of the water of the Thames was 44·4°; that of the lowest was 42·4°. The difference between the mean dew-point temperature and air temperature was 4·7°. The mean degree of humidity of the air was 83, complete saturation being represented by 100. A heavy fall of snow occurred between 8 A.M. and 11 A.M. on Saturday, 26th March. Rain or melted snow was measured to the amount of 0·37 in. The general direction of the wind was W.S.W., N.N.W., and N.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 209,768 cubic metres, and at Barking 167,105 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

SIGNIFICANCE OF RATES OF MORTALITY.

The rates of mortality published in the Weekly Returns having been misunderstood in some quarters, it may be useful once more to explain what the general death-rates of a population imply.

The rate of mortality differs in a generation as it passes through different ages. It is in infancy very high, in boyhood very low, through manhood it increases, and as men descend into the vale of years is rapidly accelerated by the wearing away of vital force. The mean rate in England has been for some years 22 annual deaths to 1000 living of all ages. The rate for males is 183 in 1000 *in the first year of life*; only 18 in the fifth, 6 in the tenth, 5 in the sixteenth, 8 in the twenty-first year of life; 13 in the forty-first year, 19 in the fifty-first year; 33 in the sixty-first, 70 in the seventy-first, 153 in the eighty-first year, 307 in the ninety-first year of life. Infants and boys under 4 years of age experience a *mortality above the average rate*, and so do men of the age of 54 and upwards; while boys and men of 5 years of age and below 54, *die at less than the average rate*. In the country, in cities, under the same sanitary conditions this universal law prevails; infants and old people die off more rapidly; boys and girls as well as men and women in the prime of life, less rapidly than the average rates imply.

The general rates of mortality, as they are usually given, may differ therefore in two populations, merely because the one contains more of the population under 5 and above 55 than the other. When the births exceed the deaths, the effect is to increase the number of children under 5 years of age; and it is conceivable that a novice in these inquiries may rush to the conclusion, that the effect of an excess of births is to increase the general rate of mortality; whereas it is found by observation to have the contrary effect. The mortality of a population with an excess of births over deaths is lower than the mortality of a stationary population where the births and deaths are equal. And the reason on reflection is obvious. The births take place steadily year by year in a city; and if they are in excess of the deaths, they throw into it not only additional children under 5 years of age, but also children and adults above that age; and hence there is *less than the due proportion of old people* in the whole population; hence also the mortality appears below what it would be in the same population, under the same sanitary conditions, if the births and deaths were equal. In all England the births are to the deaths as 3 to 2; and this has the effect of reducing the rate of mortality to 22 in 1000. By the English Life Table, in which the people of different ages are distributed as they would be if the births and deaths were constantly equal, the correct rate is found to be 24 in 1000. In Liverpool when the rate of mortality was 34, the corrected rate was 39; in the same year the rate for London was 24, the corrected rate 27.

Immigration has the effect of reducing the general rate of mortality; as it swells the excess of persons at ages of low mortality.

The rates of mortality as they are generally cited, when the population is accurately determined, are for all the cities in the weekly tables below the true rates; and when the differences in the rate in two cities are great, it is certain that this cannot be explained by any differences of the ages of the two populations.

A sustained rate of mortality above 17 in 1000 always implies unfavourable sanitary conditions: the London rate of 24 is moderately good; any rate above 30 implies sanitary conditions highly destructive to human life.

And when any city experiences a higher rate than the average, it should always be a matter of serious inquiry and concern to its citizens.

As to the significance of weekly rates of mortality the following propositions may be laid down:

1. These rates calculated in the usual way express facts; and higher rates than usual in a town show that from some cause or other, the deaths are frequent, and *vice versâ*.
2. These rates are below the true rates in all the towns of the United Kingdom, in consequence of the great excess of births over deaths; which has the effect of increasing the proportion of the population living at ages when the mortality is below the average.

3. The excess of immigration over emigration operates in the same direction.
 4. An excess of females in a town reduces its general rate of mortality.
 5. There is an influx of patients into Hospitals in towns, but this is probably more than counterbalanced by the retirement of consumptive immigrants into the counties of their birth to die.
 6. A sudden and large addition of births in a single year would have the effect of slightly raising the general mortality in that year ; but the supposition of such an addition in English cities is baseless : the law here is a constant excess of births over deaths, which keeps up a constant excess of young and middle-aged lives.
 7. A Life Table constructed in the usual way shows the true average rate of mortality, and the mean duration of life ; the two facts being indissolubly connected. The correct mortality of our worst cities was 1 in 25, in our healthiest districts it was 1 in 50 ; the duration of life was 25 and 50 years under the same circumstances.
 8. A comparison of the true rates with the rates calculated in the usual way will show that the latter rates exhibit the relative fatality of different cities with sufficient accuracy for all ordinary purposes. They have no fallacious meaning.
 9. Instead of reducing the death-rate of towns, on the ground that their birth-rate is high, the reverse should be done to get the corrected death-rate.
 10. The true death-rate in all England lies between the death-rate and the birth-rate calculated in the usual way ; a sixth of the difference added to the death-rate is nearly its proper correction.
 11. The causes of the differences of the rates of mortality are various, and in every case demand careful investigation on the spot by the town authorities.
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TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWELFTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1845	1980	1805	2231	1897	2101	2219	2224	2299	2177	2077·8	2227
Males . .	918	991	884	1129	974	1091	1150	1147	1188	1121	1059·3	1151
Females .	927	989	921	1102	923	1010	1069	1077	1111	1056	1018·5	1076
TOTAL Deaths	1611	1214	1271	1624	1397	1634	1649	1731	1298	1590	1501·9	1478
Males . .	827	617	637	822	729	805	854	832	685	800	760·8	771
Females .	784	597	634	802	668	829	795	899	613	790	741·1	707

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Jan. 1.	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.
TOTAL Deaths	1996	1697	1664	1652	1613	1828	1568	1716	1861	1673	1499	1532	1478
Deaths under 5 years of age	840	694	666	668	634	681	616	687	713	640	547	613	577
Deaths 5-20	157	105	115	109	125	134	117	123	120	116	93	101	104
Deaths 20-40	244	192	233	213	220	222	188	225	214	218	221	218	217
Deaths 40-60	297	256	271	254	255	332	279	298	313	286	280	259	241
Deaths 60-80	366	367	291	321	312	380	311	412	341	304	272	271	271
Deaths at 80 years & upwards	92	83	88	87	67	79	58	72	89	72	54	69	68
Deaths from Small-pox	7	8	12	8	5	11	4	10	11	8	6	3	5
" Measles	59	30	40	41	28	28	23	17	18	21	17	20	19
" Scarlet Fever	159	134	114	143	118	107	103	104	111	78	69	81	56
" Diphtheria	9	5	8	8	7	5	8	3	5	8	6	4	5
" Whooping-cough	57	67	58	55	67	79	65	61	79	58	49	65	53
" Typhus fever	12	4	13	12	7	14	6	9	8	6	4	8	10
" Enteric (or Typhoid) fever	18	13	14	12	17	9	22	21	11	14	19	8	16
" Simple Contagious fever	21	18	23	15	11	12	5	9	13	15	10	13	10
" Diarrhoea	22	19	13	15	8	17	11	20	15	16	14	11	9
" Phthisis	207	138	179	175	180	198	170	191	226	171	209	193	184
" Bronchitis	305	295	233	242	277	316	265	335	323	305	232	212	221
" Pneumonia	120	102	116	87	81	114	74	109	90	89	93	86	93
" Heart Disease	91	82	71	64	84	91	66	76	77	76	54	74	65
Mean Temperature of the Air	34·2	45·2	39·3	36·1	31·6	42·0	32·4	30·7	36·9	45·8	33·4	41·0	38·1
Mean Temperature of the Water of the Thames	33·4	39·5	41·0	39·1	37·7	39·9	37·8	31·5	33·2	40·2	39·6	42·3	43·4
Humidity of the Air	83	87	87	82	82	87	72	74	75	85	81	82	83
Rain-fall in inches	0·31	0·79	0·48	0·05	0·00	0·25	0·25	0·05	0·05	1·22	0·02	0·44	0·37

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Farbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 26th day of March 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 26th Mar.	DEATHS registered during the Week ending 26th Mar.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Cen- tims.
Total of 20 Towns in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	5322	3365	58·4	23·9	38·6	3·67	0·30	0·1
LONDON - - -	77,997	3,214,707	41·2	2227	1478	53·6	28·1	38·1	3·39	0·37	0·1
PORTSMOUTH - - -	9,513	122,084	12·8	109	50	58·4	25·8	38·9	3·83	0·05	0·1
NORWICH - - -	7,472	81,087	10·9	50	27	53·0	27·0	37·3	2·95	0·65	1·1
BRISTOL - - -	4,688	171,882	36·6	128	82	50·8	27·5	38·6	3·67	0·01	0·1
WOLVERHAMPTON - - -	3,887	72,990	21·5	80	26	55·4	27·3	38·8	3·78	0·22	0·1
BIRMINGHAM - - -	7,831	369,604	47·2	293	143	55·0	28·3	39·2	4·00	0·23	0·1
LEICESTER - - -	3,200	97,427	30·4	69	44	55·0	25·5	37·9	3·28	0·21	0·1
NOTTINGHAM - - -	1,996	88,888	44·5	68	27	56·2	26·0	39·8	4·34	0·24	0·1
LIVERPOOL - - -	5,108	517,567	101·3	351	260	51·4	30·0	39·0	3·89	0·23	0·1
MANCHESTER - - -	4,486	374,993	83·6	319	204	53·7	27·0	39·5	4·17	0·31	0·1
SALFORD - - -	5,172	121,580	23·5	115	46	51·5	23·9	38·9	3·83	0·37	0·1
BRADFORD - - -	6,590	143,197	21·7	109	78	54·2	26·5	38·2	3·44	0·17	0·1
LEEDS - - -	21,572	259,527	12·0	183	117	57·0	28·0	39·5	4·17	0·24	0·1
SHEFFIELD - - -	22,830	247,378	10·8	245	96	55·0	26·5	39·6	4·23	0·24	0·1
HULL - - -	3,562	130,869	36·7	90	57	55·0	24·0	36·0	2·22	0·25	0·1
SUNDERLAND - - -	3,306	100,979	30·5	63	36	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	97	59	53·0	25·0	34·6	1·45	0·75	1·1
EDINBURGH - - -	4,427	178,970	40·4	134	95	50·7	29·0	40·1	4·50	0·60	1·1
GLASGOW - - -	5,063	468,189	92·5	388	289	—	—	—	—	—	—
DUBLIN - - -	9,745	321,540	33·0	199	151	56·5	26·0	41·3	5·17	0·30	0·1
PARIS - - -	7,802	1,889,842	242	—	1101	—	—	—	—	—	—
						Week ending 19th Mar. 1870.					
VIENNA - - -	3,728*	605,200	162	—	—	—	—	—	—	—	—
						Week ending 24th Mar. 1870.					
BERLIN - - -	6,253	702,437	112	615	496	—	—	33·1	0·62	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 26th day of March 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE OF MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public	In Private
LONDON - - -	24	1478	322	339	5	19	56	5	53	36	9	71	153	25	25
PORTSMOUTH - - -	21	50	13	7	—	2	5	1	1	2	1	—	—	—	—
NORWICH - - -	17	27	8	10	—	—	—	—	—	—	—	2	3	—	—
BRISTOL - - -	25	82	16	23	—	1	5	—	4	1	—	3	5	1	1
WOLVERHAMPTON - - -	19	26	7	5	—	—	—	2	1	2	2	—	—	—	—
BIRMINGHAM - - -	20	143	43	27	—	1	3	1	4	3	—	12	21	1	1
LEICESTER - - -	24	44	15	9	—	—	—	—	1	3	—	2	5	—	—
NOTTINGHAM - - -	16	27	5	7	—	2	3	—	—	3	—	2	5	—	—
LIVERPOOL - - -	26	260	70	57	—	3	22	—	6	9	7	13	16	2	2
MANCHESTER - - -	29	204	46	22	1	3	4	2	22	5	3	7	12	3	3
SALFORD - - -	20	46	10	4	1	—	3	—	5	—	3	—	1	—	—
BRADFORD - - -	28	78	27	8	—	1	4	—	4	1	1	—	2	—	—
LEEDS - - -	24	117	27	14	1	—	7	2	3	3	—	3	4	—	—
SHEFFIELD - - -	20	96	28	15	—	1	11	2	2	—	3	2	5	—	—
HULL - - -	23	57	21	16	—	—	3	—	—	2	—	3	3	—	—
SUNDERLAND - - -	19	36	8	11	—	—	—	—	—	1	1	—	2	—	—
NEWCASTLE-ON-TYNE - - -	23	59	20	10	—	—	—	—	4	3	—	4	4	—	—
DUBLIN - - -	25	151	21	44	—	—	3	—	2	6	1	2	3	—	—

TABLE 5.—DEATHS in LONDON Registered in the TWELFTH Week of the Year 1870.

CAUSES OF DEATH.	Averages of the Twelfth Week in the 10 years 1860-69.	In the Week ending Saturday, March 26, 1870.								CAUSES OF DEATH.	Averages of the Twelfth Week in the 10 years 1860-69.	In the Week ending Saturday, March 26, 1870.									
		Deaths of Persons of the Ages										Deaths of Persons of the Ages									
		ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.			ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		
			Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
Mean Temperature	39°7	38°1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	39°7	38°1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				
ALL CAUSES	1501·9	1478	577	104	217	241	271	68	9. Stricture of Intestines	1·1	1	-	-	-	-	1	-				
SPECIFIED CAUSES	1479·1	1465	571	103	217	239	268	67	10. Fistula	·4	-	-	-	-	-	-	-				
ZYMOTIC DISEASES.									11. Stomach Disease, &c.	8·0	5	2	-	1	1	1	-				
ORDER 1.									12. Pancreas Disease, &c.	·2	-	-	-	-	-	-	-				
Small-pox	19·5	5	1	2	1	-	1	-	13. Hepatitis	3·6	2	-	-	-	2	-	-				
Measles	30·3	19	19	-	-	-	-	-	14. Jaundice	3·4	2	1	-	-	-	1	-				
Scarlet Fever (Scarlatina)	37·2	56	34	18	4	-	-	-	15. Liver Disease, &c.	15·0	16	2	2	1	6	5	-				
Diphtheria	9·2	5	2	3	-	-	-	-	16. Spleen Disease, &c.	·5	-	-	-	-	-	-	-				
Quinsy	1·1	1	-	-	-	-	-	-	ORDER 5.												
Croup	16·1	17	16	1	-	-	-	-	1. Nephritis	1·4	3	1	1	1	-	-	-				
Whooping-cough	69·4	53	52	1	-	-	-	-	2. Ischuria	·5	-	-	-	-	-	-	-				
Typhus	10	10	-	3	4	2	1	-	3. Bright's Disease (Nephria)	10·4	11	-	2	4	5	-	-				
Enteric or Typhoid Fever	48·5	16	5	4	3	2	2	-	4. Diabetes	2·1	-	-	-	-	-	-	-				
Simple continued Fever	-	10	3	3	-	3	1	-	5. Calculus (Stone)	·4	-	-	-	-	-	-	-				
Erysipelas	5·7	6	2	2	-	-	2	-	6. Cystitis	1·1	1	-	-	-	-	1	-				
Puerperal Fever (Metria)	4·2	6	-	-	6	-	-	-	7. Kidney Disease, &c.	5·9	6	-	-	1	2	3	-				
Carbuncle	·8	-	-	-	-	-	-	-	ORDER 6.												
Influenza	1·9	-	-	-	-	-	-	-	1. Ovarian Dropsy	·9	-	-	-	-	-	-	-				
Dysentery	2·5	-	-	-	-	-	-	-	2. Uterus Disease, &c.	4·0	5	-	-	1	2	2	-				
Diarrhoea	12·9	9	6	-	2	1	-	-	ORDER 7.												
Simple Cholera	·4	-	-	-	-	-	-	-	1. Synovitis (Arthritis)	·3	-	-	-	-	-	-	-				
Acute	·3	1	-	-	-	-	1	-	2. Joint Disease, &c.	4·0	8	1	2	1	3	1	-				
Remittent Fever	1·6	-	-	-	-	-	-	-	ORDER 8.												
Rheumatism	7·6	7	-	1	1	4	1	-	1. Phlegmon	2·3	2	-	-	2	-	-	-				
Other Zymotic Diseases	-	-	-	-	-	-	-	-	2. Ulcer	1·2	-	-	-	-	-	-	-				
ORDER 2.									3. Skin Disease, &c.	2·0	1	1	-	-	-	-	-				
Syphilis	5·9	8	6	1	1	-	-	-	IV. DEVELOPMENTAL DISEASES.												
Stricture of Urethra	·9	-	-	-	-	-	-	-	ORDER 1.												
Hydrophobia	-	-	-	-	-	-	-	-	1. Premature Birth	21·1	21	21	-	-	-	-	-				
Glanders	-	-	-	-	-	-	-	-	2. Cyanosis	2·7	1	1	-	-	-	-	-				
ORDER 3.									3. Spina Bifida	1·2	3	3	-	-	-	-	-				
Privation	1·2	1	-	-	-	1	-	-	4. Other Malformations	1·9	4	4	-	-	-	-	-				
Want of Breast-milk	7·6	5	5	-	-	-	-	-	5. Teething	20·3	24	24	-	-	-	-	-				
Purpura and Scurvy	1·5	1	1	-	-	-	-	-	ORDER 2.												
Alcohol - a Del. Tremens	2·0	-	-	-	-	-	-	-	1. Paramania	·1	-	-	-	-	-	-	-				
Polism - b Intemperance	1·7	1	-	-	-	1	-	-	2. Childbirth (see Puer- peral Fever)	6·8	3	-	-	2	1	-	-				
ORDER 4.									ORDER 3.												
Thrush	2·5	1	1	-	-	-	-	-	1. Old Age	59·1	60	-	-	-	-	24	36				
Worms, &c.	·5	-	-	-	-	-	-	-	ORDER 4.												
ONSTITUTIONAL DIS.									1. Atrophy and Debility	59·4	47	42	-	-	3	2	-				
ORDER 1.									V. VIOLENT DEATHS, &c.												
Rout	1·7	-	-	-	-	-	-	-	ORDER 1.												
Dropsy	13·7	12	5	-	-	3	2	2	(ACCIDENT OR NEGLIGENCE.)												
Cancer	25·9	21	-	-	1	13	7	-	1. Fractures and Contusions	17·8	24	4	1	7	6	5	1				
Cancerum Oris (Noma)	·5	-	-	-	-	-	-	-	2. Wounds	·1	-	-	-	-	-	-	-				
Mortification	4·3	8	-	-	1	-	5	2	3. Burns and Scalds	6·8	5	4	1	-	-	-	-				
ORDER 2.									4. Poison	·5	2	1	-	1	-	-	-				
Scrofula	8·3	4	2	1	-	-	1	-	5. Drowning	4·0	14	-	5	5	2	2	-				
Tuberc Mesenterica	17·8	21	20	-	1	-	-	-	6. Suffocation	8·4	11	9	-	1	1	-	-				
Phthisis	174·6	184	12	21	95	45	11	-	7. Otherwise	1·8	7	2	-	-	2	2	1				
Hydrocephalus	35·7	24	22	2	-	-	-	-	ORDER 3.												
LOCAL DISEASES.									(HOMICIDE.)												
ORDER 1.									1. Murder and Manslaughter	2·1	2	1	-	1	-	-	-				
Cephalitis	13·5	16	8	5	3	-	-	-	ORDER 4.												
Apoplexy	37·7	39	3	4	14	16	1	-	(SUICIDE.)												
Paralysis	32·1	34	1	-	4	11	14	4	1. Wounds { Gunshot Cut, Stab	·3	-	-	-	-	1	-	-				
Insanity	1·4	3	-	-	-	-	2	1	2. Poison	1·9	1	-	-	-	-	-	-				
Chorea	·3	-	-	-	-	-	-	-	3. Drowning	·4	1	-	-	1	-	-	-				
Epilepsy	7·5	7	-	-	1	3	2	-	4. Hanging	1·4	-	-	-	-	-	-	-				
Convulsions	56·6	66	4	-	-	-	-	-	5. Otherwise	·2	3	-	-	1	2	-	-				
Brain Disease, &c.	21·5	14	2	-	2	4	6	-	ORDER 5.												
ORDER 2.									(EXECUTION.)												
Pericarditis	2·5	2	-	-	1	1	-	-	1. Hanging	-	-	-	-	-	-	-	-				
Aneurism	2·5	3	-	-	-	2	1	-	Violent Deaths (not classed)	·1	1	-	-	-	-	1	-				
Heart Disease, &c.	63·9	65	1	8	11	20	23	2	Sudden Deaths (Cause un- ascertained)	4·1	6	1	-	-	1	3	1				
ORDER 3.									Causes not specified or ill- defined	18·7	7	5	1	-	1	-	-				
Laryngitis	10·3	18	14	-	2	1	1	-													
Bronchitis	209·4	221	70	1	10	39	85	13													
Pleurisy	3·2	4	-	-	2	2	-	-													
Pneumonia	90·4	93	59	3	12	10	8	1													
Asthma	18·2	15	-	-	1	8	6	-													
Lung Disease, &c.	16·0	27	8	-	9	4	4	2													
ORDER 4.																					
Gastritis	1·8	2	-	-	1	-	1	-													
Enteritis	6·2	6	1	-	-	4	1	-													
Peritonitis	5·5	9	4	2	2	-	1	-													
Ascites	2·4	1	-	-	-	-	-	-													
Iteration of Intestines	1·3	5	-	1	-	2	1	-													
Hernia	3·6	6	-	-	-	-	6	-													
Leus	2·8	1	-	-	-	-	1	-													
Intussusception	·8	-	-	-	-	-	-	-													

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

* Two deaths from relapsing fever are included.

100 Population, Total Births and Deaths, and Deaths from some Zymotic and other Causes.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total BIRTHS during the Week.	Total DEATHS during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Insti-	
LONDON		2,803,989	2227	1478	322	339	5	19	56	5	53	10	16	10	9	71	153	25	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	28	20	7	4	-	-	1	-	-	-	-	1	-	-	2	3	
St. John Paddington H		36769	17	12	1	6	-	-	-	-	-	-	-	-	-	-	-	3	
Kensington Town W		51910	65	35	8	5	-	-	-	-	-	-	-	1	1	1	4	3	
Brompton H		18198	10	5	1	1	-	-	-	-	-	-	-	-	-	-	-	3	
St. Peter Hammersmith		5415	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	14	12	2	3	-	-	1	-	-	1	-	-	-	-	-	-	
Fulham W		15539	17	12	3	4	-	-	1	-	-	-	-	-	-	-	-	1	
Chelsea South H		21654	14	13	2	1	-	1	1	-	-	-	-	-	-	-	-	2	
Chelsea North-west HW		19899	16	11	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
Chelsea North-east		21886	10	5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
Hanover Square		19773	4	3	-	1	-	-	1	-	-	-	-	-	-	-	-	-	
May Fair W		12885	6	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	32	21	2	3	-	-	1	-	-	-	-	1	-	-	-	6	
St. John Westminster		37483	32	27	5	5	-	-	1	-	4	-	1	-	-	-	3	2	
St. Margaret Westminster WH		30730	9	13	4	2	-	-	1	-	1	-	-	-	-	1	3	2	
St. James's Square		10753	4	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	9	10	1	2	-	-	1	-	-	-	1	-	-	-	-	4	
Berwick-street		10607	5	4	2	-	-	-	-	-	-	-	-	-	-	1	-	-	
St. Anne Soho		17426	10	6	2	1	-	-	-	-	-	-	-	-	-	-	1	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	27	18	7	2	-	-	-	-	-	-	-	-	-	1	1	1	
Cavendish Square		15090	10	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W		26692	17	19	4	5	-	-	-	-	-	-	-	-	1	-	-	11	
St. Mary Marylebone H		22493	23	6	2	1	-	-	-	-	-	1	-	-	-	-	-	1	
Christchurch Marylebone		34913	20	12	3	5	-	-	1	-	-	-	-	-	-	-	2	-	
St. John Marylebone		32640	16	12	4	-	-	-	-	-	-	-	-	1	-	2	4	-	
Hampstead WH		19106	9	13	4	4	-	1	1	-	1	1	-	-	-	-	-	1	
Regent's Park Pancras		34927	30	21	6	3	1	-	3	-	-	-	-	-	-	1	-	8	
Tottenham-court WH		29371	15	23	6	10	-	-	-	-	-	1	1	-	-	2	5	6	
Gray's Inn Lane H		27308	20	15	2	3	-	-	-	-	2	-	-	-	-	3	4	-	
Somers Town		39099	29	11	4	3	-	-	-	-	-	-	-	-	-	-	-	-	
Camden Town W		23266	24	19	3	8	-	-	1	1	-	-	-	-	-	1	5	10	
Kentish Town		44317	55	28	9	6	-	-	3	-	2	-	-	-	-	-	-	-	
Islington West* WHH		75442	79	45	11	5	-	3	-	-	2	-	2	-	-	-	-	7	
Islington East Ww		79899	66	41	7	12	1	-	1	-	1	-	-	-	-	-	-	-	
Stoke Newington		6609	2	5	-	-	-	-	-	-	-	-	1	-	-	-	1	2	
Stamford Hill		5483	9	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	20	10	-	2	-	-	1	-	1	-	-	-	-	-	1	-	
Hackney WH		31481	24	31	3	11	-	-	1	-	1	1	-	-	-	-	-	11	
South Hackney L		15453	22	13	4	1	-	-	-	-	1	-	-	-	-	1	1	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	7	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH		19483	12	15	3	4	-	-	-	-	-	1	-	-	-	-	1	4	
St. Giles North		17201	8	7	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
Long Acre		11618	7	8	3	1	-	-	-	-	-	-	-	-	-	-	1	-	
Charing Cross WH		11071	2	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand		10346	7	2	-	1	-	-	-	-	-	-	-	-	-	1	1	7	
St. Clement Danes H		15207	5	8	-	3	-	-	-	-	1	-	-	-	-	-	-	8	
St. George-the-Martyr H		19903	11	18	3	-	-	-	-	1	2	-	-	-	-	1	1	10	
St. Andrew East Holborn W		12947	8	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Saffron Hill		12012	6	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W		16152	13	7	-	2	-	-	-	-	1	-	-	-	-	-	-	8	
Amwell Clerkenwell		17250	7	8	4	1	-	-	-	-	-	-	-	-	-	1	1	-	
Pentonville		13079	12	3	1	1	-	-	1	-	-	-	-	-	-	-	-	-	
Goswell-street		16200	11	6	2	1	-	-	-	-	1	-	-	-	-	-	-	-	
Old-street		11594	5	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
City-road HL		17860	26	8	2	-	-	-	1	-	1	-	-	-	-	-	-	3	
Whitecross-street		14773	9	6	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
Finsbury		12931	6	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-	
St. Botolph East London		20990	11	11	1	2	-	-	-	-	1	1	1	-	-	1	-	-	
Cripplegate		19697	10	5	1	-	-	-	1	-	-	1	-	-	-	-	-	-	
St. Sepulchre WH		11750	5	20	2	4	-	-	-	-	1	-	1	-	-	-	4	16	
St. Bride W		15895	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9020	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	2	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Allhallows Barking		8859	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Public Officials of Institutions are not included.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
unday, 26th March 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
Lywell Shoreditch	17813	12	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch L†	19188	19	6	1	1	-	-	-	-	-	-	-	-	-	-	1	1	2
Hoxton New Town W	26516	24	14	6	5	-	-	1	-	-	-	-	-	1	-	2	3	12
Hoxton Old Town -	25777	15	11	3	5	-	-	-	-	3	-	-	-	-	-	-	-	-
Wallerstone West W	23260	23	8	1	1	-	-	1	-	-	-	-	-	-	1	-	-	3
Wallerstone East -	17310	20	6	1	1	-	-	1	-	-	-	-	-	-	-	2	-	-
Hackney road -	26298	19	9	4	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Green, Bethnal Green WHL†	31789	45	50	4	16	-	-	1	-	-	-	-	1	-	10	34	23	-
Green, Bethnal Green -	25528	21	6	4	4	-	-	-	-	1	-	-	-	-	-	-	-	-
Green, Bethnal Green -	21486	9	14	5	2	-	-	-	-	1	-	-	-	-	1	3	-	-
Whitechapel -	8557	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel -	15700	12	5	1	1	-	-	-	-	-	-	-	-	-	-	1	2	-
Whitechapel New Town W	15392	16	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-	4
Whitechapel North -	12122	14	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church H	8082	7	16	1	6	-	-	-	-	1	-	-	-	-	-	5	6	13
Whitechapel Fields -	11166	8	4	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-
Whitechapel -	9071	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mary St. George East -	18181	12	6	2	2	-	-	-	-	-	-	-	-	-	-	1	1	-
Paul St. George East -	21015	22	8	1	1	-	-	1	-	1	-	1	-	-	-	-	-	-
John St. George East W	9695	9	7	2	4	-	-	-	-	-	-	-	-	-	-	-	-	5
Whitechapel W -	12537	5	8	2	3	-	-	-	-	-	-	-	-	-	-	-	-	2
Whitechapel WH -	16874	18	8	3	2	-	-	-	-	-	-	-	-	-	-	-	-	1
Whitechapel W -	27161	22	13	4	2	-	2	-	-	-	-	-	-	-	-	2	2	-
Whitechapel End Old Town West -	33747	32	7	2	2	-	-	-	-	-	-	-	-	-	-	-	2	-
Whitechapel End Old Town East Ww	33817	43	21	4	9	-	-	1	-	-	-	-	-	-	1	2	2	-
Whitechapel Ww Lt -	35667	51	25	3	6	-	1	-	-	2	-	1	-	-	1	1	4	4
Whitechapel W -	43529	35	27	5	4	-	-	5	-	1	-	-	-	-	2	5	-	-
SOUTH DISTRICTS.																		
Whitechapel Southwark W	17069	16	5	-	2	-	-	-	-	1	-	-	-	-	-	-	-	2
Saviour Southwark H	19101	11	6	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Whitechapel road -	19652	15	13	2	3	-	-	-	-	-	-	-	-	-	-	1	3	-
Whitechapel road W	15663	11	8	2	1	-	-	-	-	-	-	-	1	-	-	-	-	2
Whitechapel road L	19190	13	13	3	2	-	-	1	-	1	-	-	-	-	-	-	-	1
Whitechapel Newington -	22675	16	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Peter Walworth W	44463	33	32	6	13	-	-	-	1	-	-	2	1	-	1	3	10	5
Mary Newington H	15082	13	12	-	2	-	-	-	-	-	-	-	-	-	3	3	5	-
Whitechapel Southwark H	7663	1	12	-	1	-	-	2	-	-	-	-	-	-	-	3	3	8
John Horsleydown W	11393	6	8	1	1	1	-	-	-	-	-	-	-	-	-	-	-	1
Whitechapel Market -	16696	14	5	1	1	-	-	1	-	-	1	-	-	-	-	-	-	-
Mary Magdalen W	16505	7	9	3	3	-	-	-	-	-	-	-	-	-	-	-	-	3
James Bermondsey -	25154	43	20	7	3	-	-	-	-	-	-	-	-	-	-	1	1	-
Whitechapel W	24502	9	13	2	2	2	-	1	-	-	-	-	-	-	-	-	-	1
Whitechapel-road 1st -	15269	13	6	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Whitechapel-road 2nd H	18640	11	7	1	3	-	-	1	-	-	-	-	-	-	-	-	-	-
Whitechapel Church 1st -	19839	21	11	3	1	-	-	1	-	1	-	-	-	-	-	3	3	-
Whitechapel Church 2nd W	29542	32	21	2	6	-	-	1	-	1	-	-	-	-	-	-	-	8
Whitechapel 1st -	30785	25	21	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel 2nd -	20440	16	11	3	1	1	-	1	-	1	-	-	-	-	-	-	-	-
Whitechapel -	20067	15	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel W -	7462	8	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel -	20894	18	9	3	2	-	1	1	-	-	-	-	-	-	-	-	-	-
Whitechapel W -	19600	62	22	5	1	-	1	-	-	1	-	-	-	-	-	-	-	6
Whitechapel L	13346	12	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-	2
Whitechapel -	6481	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel -	10082	15	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel -	1723	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel W, L, Lt	21297	17	15	2	11	-	-	-	-	1	-	-	-	-	-	-	-	6
Whitechapel W -	28135	31	13	3	2	-	-	-	-	-	-	1	-	-	-	-	-	-
Whitechapel George Camberwell -	20533	21	10	2	2	-	1	-	-	1	-	-	-	-	-	-	-	-
Whitechapel Paul Deptford -	37834	34	27	9	5	-	-	-	-	2	-	1	-	-	2	5	-	-
Whitechapel Nicholas Deptford -	8139	9	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Whitechapel Greenwich West H	21686	13	10	1	3	-	1	-	-	-	-	1	-	-	-	1	3	1
Whitechapel Greenwich East WH	18306	11	11	6	1	-	-	-	-	-	-	-	-	-	-	-	-	2
Whitechapel -	3009	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel -	11063	6	6	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-
Whitechapel Village W	7372	11	7	-	4	-	-	1	1	-	-	-	-	-	-	-	1	-
Whitechapel Denham -	10595	3	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel -	9276	9	3	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Whitechapel Woolwich Dockyard H	22919	14	6	-	3	-	-	1	-	1	-	-	-	-	-	-	-	-
Whitechapel Arsenal H	18776	10	12	3	4	-	-	-	1	-	1	-	-	-	-	2	5	-
Whitechapel West -	24502	7	10	2	4	-	-	2	-	-	-	-	-	-	-	1	1	-
Whitechapel East -	24502	12	7	-	-	-	-	2	-	1	-	-	-	-	-	1	3	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh.	is in Chelsea North west sub-district.	Holborn Workhouse.	is in Hoxton New Town sub-district.
The Strand	Tottenham-court sub-district.	London City	" " Mile End Old Town Eastern sub-dist. and Bow sub-district.
London City	Islington East.	Stepney	" " Bow sub-district.
Do. do.	Hackney sub-district.		

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 26th MARCH, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.			BARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.			RAIN.			
Phase of Moon.	Mean daily reading of self-registering thermometer reduced to 32 deg. Fahrenheit.	in.	Dry.				Day Point.	Highest in the sun, as shown by a self-registering black-bulb thermometer placed in the shade.	Lowest on the grass, as shown by a self-registering black-bulb thermometer.	In the Water of the Thames at Greenwich, by a self-registering thermometer.	Between Dew Point and Temperature		Between mean temperature of the day and the temperature of the same day, reduced by 100.	As deduced from Anemometers.		Collected in a Gauge whose receiving is in, above the ground.									
			High-est.	Low-est.	Range in day.	Mean daily value.					Mean daily value.	General Direction.		Greatest.	Least.		Mean of 21 Obs.								
MARCH.																	Inches.		Miles.						
SUNDAY . 20	..	30° 233	48° 6	32° 3	16° 3	38° 8	34° 8	26° 7	44° 4	42° 4	86	S. & S.W.	WSW.	WSW.	0° 1	0° 0	0° 0	143	0° 00	4					
MONDAY . 21	..	30° 057	52° 7	42° 9	9° 8	46° 8	44° 8	39° 0	..	..	93	WSW.	WSW.	WSW.	0° 1	0° 0	0° 0	200	0° 12	0			
TUESDAY . 22	..	29° 699	53° 6	31° 0	22° 6	40° 9	38° 2	28° 2	43° 9	42° 1	90	WSW.	WSW.	WSW.	3° 6	0° 0	0° 5	387	0° 11	2					
WEDNESDAY 23	Last Quarter	29° 866	40° 9	28° 3	12° 6	33° 7	26° 0	21° 3	44° 3	42° 4	73	NNW.	NNW.	NNW.	3° 3	0° 0	0° 7	370	0° 00	2					
THURSDAY . 24	(greatest Dec. S.)	29° 741	45° 2	30° 3	14° 9	36° 9	28° 7	38° 6	45° 4	43° 4	72	N.W.	NNW.	NNW.	2° 2	0° 0	0° 3	297	0° 01	3					
FRIDAY . 25	..	29° 602	44° 9	28° 1	16° 8	35° 9	30° 4	104° 7	44° 9	42° 4	81	NE.	NNE.	NNE.	2° 2	0° 0	0° 0	148	0° 00	2					
SATURDAY . 26	..	29° 731	41° 5	29° 0	12° 5	34° 0	31° 0	74° 3	43° 7	41° 7	89	N. by E.	NE.	NE.	7° 5	0° 0	0° 5	382	0° 13	4					
MEANS . .	..	29° 847	46° 8	31° 7	15° 1	38° 1	33° 4	32° 7	(6 days) 44° 4	(6 days) 42° 42°	83	WSW, NNW, & NE.	WSW, NNW, & NE.	WSW, NNW, & NE.	..	..	..	Sum 1927	Sum	2° 4	
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

NOTES.

The height of the cistern of the barometer is considered to be 153 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part I, 1848. The mean daily wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30° 29 in. at the beginning of the week to 29° 02 in. by 3h. P.M. on the 22d; increased to 29° 88 in. by noon on the 23d; decreased to 29° 58 in. by 3h. P.M. on the 25th; and increased to 29° 92 in. by the end of the week.

SKY AND ATMOSPHERE.

ELECTRICITY.

Thin clouds and dense haze prevailed during the morning; cloudless throughout the afternoon, but haze still continued prevalent; overcast at night.

Overcast throughout the day, and showers of rain fell occasionally; partially clear at night. Fog was generally prevalent in low grounds.

Overcast till night, then cloudless. Rain fell occasionally during the morning, and a shower of rain fell about 3h. P.M. and a sudden change took place in the direction of the wind at that time from W. to N. (90°), accompanied by a great fall of temperature.

A fine day; light clouds prevailed.

Light clouds were prevalent till evening, then overcast. Rain and snow fell at night.

Partially cloudy. Snow fell in large flakes for a short time about 8h. P.M.

Generally overcast. A heavy fall of snow between 8h. A.M. and 11h. A.M.

Strong negative was shown at other times no electricity was shown.

DATE.

MARCH.

SUNDAY . 20

MONDAY . 21

TUESDAY . 22

WEDNESDAY 23

THURSDAY . 24

FRIDAY . 25

SATURDAY . 26

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS

OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 13. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, APRIL 2. [Price 1½d.

*General Register Office, Somerset House,
4th April 1870.*

DURING the week ending Saturday the 2d instant, 5671 *births* and 3797 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 27 deaths annually to every 1000 of the present estimated population, the ratio for the two preceding weeks having been 26 and 24 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, ranged in order from the lowest, were as follow:—18 per 1000 in Sunderland, 19 in Hull, 23 in Birmingham, 24 in Leeds, 24 in Norwich, 26 in London, 26 in Liverpool, 27 in Salford, 27 in Newcastle-upon-Tyne, 28 in Leicester, 28 in Sheffield, 29 in Bradford, 29 in Nottingham, 30 in Portsmouth, 32 in Manchester, 33 in Bristol, and 36 in Wolverhampton.

The deaths registered last week in Edinburgh were at the annual rate of 31 per 1000 persons living, in Glasgow 35 per 1000, and in Dublin 29.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 35 per 1000 persons living. The deaths in Berlin in the seven days ending Thursday, 31st ult., gave an annual rate of 34 per 1000, and in Vienna during the week ending 26th ult., a rate of 32 per 1000. Diarrhœa caused 45 out of 469 deaths in Berlin. Small-pox caused 103 deaths in Paris last week, against 112 and 81 in the two previous weeks.

In LONDON the *births* of 1247 boys and 1174 girls, in all 2421 children, were registered last week. The *deaths* registered in the same time were 1625. During the corresponding weeks of ten previous years the registered births averaged 2176, and the deaths 1543 per week; after making due allowance for increase of population, the average for the past week is estimated at 2393 births and 1697 deaths; the registered births were, therefore, 28 above, and the deaths 72 below the estimated average.

The deaths show an increase of 147 on the previous week's return, and the excess is found mainly among children between their first and fifth years of age, among adults aged 40–60 years, and among old people past their eightieth year of life. Of infants in their first year 332 died last week against 322 in the week preceding. The deaths under 5 years of age were 665, at the ages 5 to 20 years they were 120, at 20 to 40 years 214, at 40 to 60 years 281, at 60 to 80 years 269, and 76 at 80 years and upwards.

The Western group of districts, with a present estimated population of 540,647, contributed 336 deaths to the last week's return, the mortality being at the annual rate of 32 per 1000; the Northern Districts, with a population of 733,250, yielded 362 deaths, equivalent to an annual rate of 26 per 1000; the deaths in the Central group were 180 on a population of 356,385, the annual mortality rate being 26 per 1000; the Eastern group had 292 deaths on a population of 627,620, or an annual rate of 24 per 1000; the Southern group with a population of 956,805 had 455 deaths or an annual mortality rate of 25 per 1000.

Zymotic diseases caused 283 deaths, including 8 from small-pox, 30 from measles, 78 from scarlet fever, 68 from whooping-cough, 6 from typhus, 11 from enteric

(or typhoid) fever, 11 from simple continued fever, 1 from relapsing fever, 7 from erysipelas, and 13 from diarrhoea. Four of the fatal cases of small-pox occurred in the Southern Districts. Scarlet fever shows an increased fatality of 22 on the previous return; 24 of the deaths caused by it were registered in the Northern Districts, and 34 in the Southern Districts. Measles were relatively much more fatal in the Central Districts than in any other group. Eleven deaths were registered from syphilis.

The deaths from phthisis were 202, from bronchitis 231, from pneumonia 107, and from heart disease 76; the four causes yielding altogether 616 deaths, as compared with 563 in the preceding week.

To accident or negligence 46 deaths were ascribed; among these were 17 fatal cases of fractures and contusions chiefly occurring to adults, 10 deaths of children by burns or scalds, and 9 deaths of infants and 2 of adults by suffocation.

Five infants in their first year of life died by murder or manslaughter, and four suicides were recorded.

In the category of "street accidents" only one death occurred, as follows:—

An apprentice to a linen draper, aged 19 years, "run over by a brewer's dray." Died on 24th March in St. Bartholomew's Hospital. (*Inquest.*)

The three following deaths resulted either directly or indirectly from the want of the common necessities of life:

STRAND; *Charing Cross*.—At 18 York-place, on 22d March, the widow of a porter, aged 62 years, "exhaustion from cancerous enlargement of liver, accelerated by want of the necessaries of life." (Found dead on the floor.) *Post mort.* (*Inquest.*)

WHITECHAPEL; *Mile End New Town*.—At the Workhouse, on 24th March, a labourer, aged 61 years, "sudden, congestion of lungs, from privation and want." *Post mort.* (*Inquest.*)

In the same sub-district.—At the Workhouse, on 25th March, daughter of a paper sorter, aged 1½ year, "sudden, exhaustion from privation and exposure." (*Inquest.*)

The deaths of 259 persons in Public Institutions of the Metropolis were registered; of these 172 occurred in Workhouses, 3 in Military and Naval Asylums, 53 in General Hospitals, 12 in Hospitals for special diseases, 1 in Lying-in Hospitals, 9 in Military and Naval Hospitals, 1 in Hospitals and Asylums for Foreigners, and 8 in Lunatic Asylums.

Returns furnished by the London Water Companies to the Registrar General show that the average daily supply of water to the London population during the month of February last amounted to 95,812,688 gallons, of which 48,878,012 gallons were drawn from the Thames, and 46,934,676 gallons from the Lea and other sources. In the month of January the average daily supply from all sources amounted to 94,878,164 gallons.

Professor Frankland in his report on the quality of the water supply during the month of March says, that the Chelsea Company's water was very turbid and contained living organisms; that the Lambeth Company's water was also turbid, but exhibited no signs of animal life; and that the waters of the other Companies were clear when drawn from the mains. Dr. Frankland gives the following as the specific gravities of the waters supplied by the several London Companies, distilled water having a specific gravity of 1·000000 and London sewage of 1·000927: Chelsea and Southwark 1·000325; New River, East London, and West Middlesex 1·000336; Lambeth 1·000355; Grand Junction 1·000373; and Kent 1·000420. A million gallons of distilled water weighs 10,000,000 lbs., and a million gallons of London sewage weighs 10,009,270 lbs.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean height of the *barometer* 30·148 in.; the barometrical reading increased from 29·92 in. at the beginning of the week to 30·30 in. at noon on Monday, decreased to 30·09 in. on Wednesday afternoon, increased to 30·15 in. on Thursday morning, decreased to 30·03 in. on Friday afternoon, and increased to 30·16 in. by the end of the week. The *mean temperature* of the air was 37·2°, or 6·8° below the mean temperature of corresponding week in 50 years (1813–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature was 56·5° on Saturday; the lowest night temperature was 26·1° on Saturday; the entire range of temperature in the week was, therefore, 30·4°. The mean of the highest temperatures of the *water* of the Thames was 40·3°; that of the lowest was 38·5°. The difference between the mean *dew-point* temperature and

air temperature was $5\cdot7^{\circ}$. The mean degree of *humidity* of the air was 80, complete saturation being represented by 100. No rain fell during the week. The general direction of the *wind* was N.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 186,313 cubic metres, and at Barking 151,773 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of FEBRUARY 1870: thus, according to their account, 95,812,688 gallons or 435,321 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 91·29 decalitres, rather less than a *ton* by weight, to each house, and 12·87 decalitres (= 28·3 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of February 1870, it may be estimated that about 78,743,000 gallons were probably used for domestic purposes, or about 23·3 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for do- mestic consumption) during the Month of	
	JANUARY 1870.	FEBRUARY 1870.	JANUARY 1870.	FEBRUARY 1870.
TOTAL SUPPLY	476,549	476,863	94,878,164	95,812,688
From Thames	219,539	219,803	48,277,989	48,878,012
From Lea and from other Sources	257,010	257,060	46,600,175	46,934,676
THAMES.				
Chelsea	27,435	27,435	7,302,300	7,178,800
West Middlesex	40,359	40,382	7,749,424	7,883,545
Southwark and Vauxhall	76,685	76,894	14,765,114	15,213,832
Grand Junction	30,929	30,929	9,577,551	9,724,935
Lambeth	44,131	44,163	8,883,600	8,876,900
LEA AND OTHER SOURCES.				
New River	117,363	117,413	21,223,000	20,806,000
East London	100,660	100,660	18,588,705	19,279,900
Kent	38,987	38,987	6,788,470	6,848,776

Note.—The Return for February as compared with that for January shows an increase of 314 houses, and an increase of 934,524 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATERS FOR MARCH.

SIR,

Royal College of Chemistry, 26th March, 1870.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of March. For the purpose of comparison I append also the results yielded by the water supplied to the town of Manchester, and by Thames water taken at London Bridge at low-water on the 8th of December last, and at Battersea Bridge at low and high-water on the 1st of March.

The water delivered by the Chelsea Company was very turbid, and contained living organisms. The Lambeth Company's water was also turbid, but the suspended matter exhibited no signs of animal life. The rest of the waters were clear and transparent when taken from the companies' mains. The samples of Thames water taken from Battersea Bridge on the 1st instant contained, in 100,000 parts, the following amounts of suspended matters:—

	Mineral.	Organic.	Total.
At low water	2·34	·08	2·42
At high water	3·00	·20	3·20

After filtration through sand these waters would be well adapted for public baths.

I have made careful determinations of the specific gravities of the following samples :—

	Specific gravity.
Distilled water	1·000000
Chelsea Company's water	1·000325
West Middlesex Company's water	1·000336
Southwark Company's water	1·000325
Grand Junction Company's water	1·000373
Lambeth Company's water	1·000355
New River Company's water	1·000336
East London Company's water	1·000336
Kent Company's water	1·000420
Thames at Battersea Bridge (low water)	1·000363
" " " (high water)	1·000428
London sewage	1·000927

The Registrar General, &c., &c.

I have, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 7th March, Cab Rank, Horse Guards }	7·9	27·82	·268	·029	·001	·348	·378	3170	1·79	23·12
West Middlesex -	{ 2d March, Cab Rank, Portland-road }	8·1	30·14	·209	·024	·000	·600	·624	5380	1·63	23·94
Southwark and Vauxhall - - -	{ 2d March, Cab Rank, St. George's Church, Borough }	9·4	30·74	·191	·018	·000	·379	·397	3470	1·65	25·30
Grand Junction -	{ 2d March, Cab Rank, Woodstock-st. }	8·3	30·66	·200	·024	·000	·560	·534	5280	1·65	24·21
Lambeth - - -	{ 2d March, Cab Rank, Lambeth-road }	7·8	30·26	·197	·018	·000	·408	·516	4630	1·73	24·21
OTHER SOURCES.											
New River - - -	{ 2d March, Cab Rank, Tottenham- court-road }	6·1	32·40	·126	·013	·000	·629	·642	5970	1·55	24·21
East London - - -	{ 2d March, Slater's Lamp Black Works, Old Ford-road }	9·4	34·32	·157	·017	·000	·524	·541	4920	1·90	26·12
Kent - - - - -	{ 2d March, Deptfd. Bdge. Police Stat. }	8·3	38·00	·063	·008	·000	·750	·758	7180	2·22	28·03
Thames water, fil- tered - - - - -	{ 8th Dec. 1869, London Bridge mid-stream } at low water		34·3	·558	·085	·103	·351	·521	4040	2·60	25·25
	{ 1st Mar. 1870, Battersea Bdge. mid-stream } at low water	30·64	·451	·060	·024	·493	·573	4810	1·75	25·85	
	{ } at high water	32·20	·476	·048	·075	·364	·469	3940	2·05	25·02	
Manchester - - -	{ 29th January 1870 Manchester Water Supply }		5·74	·070	·007	·001	·000	·003	0	·80	2·48
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus : the Chelsea Company's water collected on the 7th of March at the Horse Guard's cab-rank had a temperature of 7·9°C. ; 100,000 lbs. of it contained 27·82 lbs. of solid impurity ; the organic matter, constituting a portion of this impurity, contained ·268 lb. of carbon and ·029 lb. of nitrogen. This solid impurity also contained ·348 lb. of nitrogen in the form of nitrates and nitrites, besides ·001 lb. of ammonia, whilst the total amount of combined nitrogen in every form was ·378 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 3170 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage or animal contamination had been, so far as analysis can show, converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·79 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 23·12 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTEENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1959	1974	2124	2158	2153	2166	2107	2489	2303	2319	2175·7	2421
Males . .	1018	1031	1041	1085	1072	1090	1082	1254	1170	1132	1097·5	1247
Females . .	941	943	1083	1073	1081	1076	1025	1235	1133	1187	1078·2	1174
TOTAL Deaths	1708	1236	1360	1594	1679	1676	1532	1601	1320	1670	1542·6	1625
Males . .	835	618	683	807	868	841	821	824	670	838	780·5	832
Females . .	873	618	677	787	811	835	761	777	650	832	762·1	793

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Jan. 8.	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.	Apr. 2.
TOTAL Deaths	1697	1664	1652	1613	1828	1568	1716	1861	1673	1499	1532	1478	1625
Deaths under 5 years of age	694	666	668	634	681	616	687	713	640	547	613	577	665
Deaths 5—20	105	115	109	125	134	117	123	120	116	93	101	104	120
Deaths 20—40	192	233	213	220	222	188	225	214	218	221	218	217	214
Deaths 40—60	256	271	254	255	332	279	298	313	286	280	259	241	281
Deaths 60—80	367	291	321	312	380	310	311	412	341	304	272	271	269
Deaths at 80 years & upwards	83	88	87	67	79	58	72	89	72	54	69	68	76
Deaths from Small-pox	8	12	8	5	11	4	10	11	8	6	3	5	8
„ „ Measles	30	40	41	28	23	23	17	18	21	17	20	19	30
„ „ Scarlet Fever	134	114	143	118	107	103	104	111	78	69	81	56	78
„ „ Diphtheria	5	8	8	7	5	3	8	5	8	6	4	5	2
„ „ Whooping-cough	67	58	55	67	79	65	61	79	53	49	65	53	68
„ „ Typhus fever	4	13	12	7	14	6	9	8	6	4	8	10	6
„ „ Enteric (or Ty- phoid) fever	13	14	12	17	9	22	21	11	14	19	8	16	11
„ „ Simple Contagious fever	18	23	15	11	12	5	9	13	15	10	13	10	12
„ „ Diarrhoea	19	13	15	8	17	11	20	15	16	14	11	9	13
„ „ Phthisis	138	179	175	180	198	170	191	226	171	209	193	184	202
„ „ Bronchitis	295	233	242	277	316	265	335	323	305	232	212	221	231
„ „ Pneumonia	102	116	87	81	114	74	109	90	89	98	86	93	107
„ „ Heart Disease	82	71	64	84	91	66	76	77	76	54	74	65	76
Mean Temperature of the Air	45·2	39·3	36·1	31·6	42·0	32·4	30·7	36·9	45·8	38·4	41·0	38·1	37·2
Mean Temperature of the Water of the Thames	39·5	41·0	39·1	37·7	39·9	37·8	31·5	33·2	40·2	39·6	42·3	43·4	39·4
Humidity of the Air	87	87	82	82	87	72	74	75	85	81	82	83	80
Rain-fall in inches	0·79	0·48	0·05	0·00	0·25	0·25	0·05	0·05	1·22	0·02	0·44	0·37	0·00

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarboton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 2d day of April 1870, in the following large Towns.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 2d April.	DEATHS registered during the Week ending 2d April.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)		RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	Centi- me- tres.	
Total of 20 TOWNS in the UNITED KINGDOM -	213,281	7,216,325	33·8	5671	3797	60·0	22·5	39·6	4·23	0·03	0·0	
LONDON - - -	77,997	3,214,707	41·2	2421	1625	56·5	26·1	37·2	2·89	0·00	0·0	
PORTSMOUTH - - -	9,513	122,084	12·8	89	71	57·1	26·8	37·4	3·00	0·00	0·0	
NORWICH - - -	7,472	81,087	10·9	61	38	55·5	29·0	37·7	3·17	0·00	0·0	
BRISTOL - - -	4,688	171,882	36·6	111	109	57·8	24·9	37·6	3·12	0·00	0·0	
WOLVERHAMPTON - - -	3,887	72,990	21·5	57	50	57·6	26·2	40·3	4·61	0·00	0·0	
BIRMINGHAM - - -	7,831	369,604	47·2	244	162	56·2	25·3	38·9	3·83	0·00	0·0	
LEICESTER - - -	3,200	97,427	30·4	78	52	55·7	22·5	39·4	4·11	0·00	0·0	
NOTTINGHAM - - -	1,996	88,888	44·5	82	49	55·3	26·5	38·9	3·83	0·02	0·0	
LIVERPOOL - - -	5,108	517,567	101·3	378	262	55·4	29·7	40·8	4·89	0·01	0·0	
MANCHESTER - - -	4,486	374,993	83·6	299	231	58·0	25·0	39·8	4·34	0·00	0·0	
SALFORD - - -	5,172	121,580	23·5	101	62	58·3	25·2	40·7	4·83	0·00	0·0	
BRADFORD - - -	6,690	143,197	21·7	132	79	55·5	27·8	40·2	4·55	0·00	0·0	
LEEDS - - -	21,572	259,527	12·0	278	121	55·0	27·0	39·3	4·06	0·01	0·0	
SHEFFIELD - - -	22,830	247,378	10·8	189	135	54·0	26·7	39·3	4·06	0·05	0·0	
HULL - - -	3,562	130,869	36·7	102	48	56·0	25·0	38·1	3·39	0·00	0·0	
SUNDERLAND - - -	3,306	100,979	30·5	115	34	—	—	—	—	—	—	
NEWCASTLE-ON-TYNE - - -	5,336	133,367	25·0	149	69	54·0	32·0	40·9	4·94	0·04	0·0	
EDINBURGH - - -	4,427	178,970	40·4	145	105	53·7	33·0	44·1	6·73	0·10	0·0	
GLASGOW - - -	5,063	468,189	92·5	426	314	56·5	28·5	44·1	6·73	0·24	0·0	
DUBLIN - - -	9,745	321,540	33·0	214	181	60·0	28·0	48·1	8·95	0·13	0·0	
PARIS - - -	7,802	1,889,842	242	—	1262	—	—	—	—	—	—	
						Week ending 26th March 1870.						
VIENNA - - -	3,728*	622,087	167	Week ending 26 Mar. 1870. —	Week ending 26 Mar. 1870. 377	—	—	33·1	0·62	—	—	
						Week ending 31st March 1870.						
BERLIN - - -	6,253	702,487	112	Week ending 31 Mar. 1870. 641	Week ending 31 Mar. 1870. 469	—	—	35·4	1·88	—	—	

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 2d day of April 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include										
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.
LONDON - - -	26	1625	332	345	8	30	73	2	63	29	13	58	118
PORTSMOUTH - - -	30	71	—	—	—	—	Returns incomplete.						
NORWICH - - -	24	38	6	11	—	—	—	—	—	2	—	1	1
BRISTOL - - -	33	109	23	23	—	3	5	2	4	1	3	2	4
WOLVERHAMPTON - - -	36	50	11	11	—	—	4	—	5	—	—	6	7
BIRMINGHAM - - -	23	162	40	35	—	2	2	1	5	3	3	10	23
LEICESTER - - -	28	52	13	13	—	1	1	—	—	—	1	3	6
NOTTINGHAM - - -	29	49	—	—	—	—	Returns incomplete.						
LIVERPOOL - - -	26	262	61	47	—	4	16	1	8	8	1	10	21
MANCHESTER - - -	32	231	53	33	1	1	9	1	10	18	8	5	13
SALFORD - - -	27	62	20	11	1	—	—	—	2	2	2	1	3
BRADFORD - - -	29	79	22	17	2	3	5	1	1	—	1	2	4
LEEDS - - -	24	121	33	18	—	—	6	—	10	2	—	1	4
SHEFFIELD - - -	28	135	25	28	—	4	8	—	3	7	2	1	4
HULL - - -	19	48	14	7	—	—	8	—	—	3	1	—	—
SUNDERLAND - - -	18	34	9	5	—	—	—	—	4	—	—	1	3
NEWCASTLE-ON-TYNE - - -	27	69	23	10	—	2	—	—	3	2	3	3	6
DUBLIN - - -	29	181	27	54	—	—	6	—	1	8	—	3	4

TABLE 5.—DEATHS IN LONDON Registered in the THIRTEENTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Thirteenth Week in the 10 years 1860-69.	In the Week ending Saturday, April 2, 1870.								CAUSES OF DEATH.		Averages of the Thirteenth Week in the 10 years 1860-69.	In the Week ending Saturday, April 2, 1870.											
			Deaths of Persons of the Ages											Deaths of Persons of the Ages											
			ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.				80 Years and upwards.	ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.	
Mean Temperature		44.4	37.2	0-5.	5-20.	20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.	Mean Temperature		44.4	37.2	0-5.	5-20.	20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.
ALL CAUSES		1542.6	1625	665	120	214	231	269	76			1542.6	1625	665	120	214	230	267	76						
SPECIFIED CAUSES		1524.4	1616	659	120	214	230	267	76			1524.4	1616	659	120	214	230	267	76						
ZYMOTIC DISEASES.																									
ORDER 1.																									
Small-pox		18.8	8	7	-	1	-	-	-			18.8	8	7	-	1	-	-	-						
Measles		33.2	30	26	4	1	-	-	-			33.2	30	26	4	1	-	-	-						
Scarlet Fever (Scarlatina)		37.5	78	55	23	-	-	-	-			37.5	78	55	23	-	-	-	-						
Diphtheria		10.0	2	1	1	-	-	-	1			10.0	2	1	1	-	-	-	1						
Quinsy		1.3	1	-	-	-	-	-	-			1.3	1	-	-	-	-	-	-						
Croup		19.0	7	6	1	-	-	-	-			19.0	7	6	1	-	-	-	-						
Whooping-cough		74.7	68	67	1	-	-	-	-			74.7	68	67	1	-	-	-	-						
Typhus		53.3	6	-	2	4	-	-	-			53.3	6	-	2	4	-	-	-						
Enteric or Typhoid Fever		53.3	11	1	4	3	2	1	-			53.3	11	1	4	3	2	1	-						
Simple continued Fever		7.9	12	7	-	-	2	3	-			7.9	12	7	-	-	2	3	-						
Erysipelas		5.2	5	2	-	2	1	2	-			5.2	5	2	-	2	1	2	-						
Puerperal Fever (Metria)		1.0	1	-	-	1	3	1	-			1.0	1	-	-	1	3	1	-						
Carbuncle		1.6	2	1	-	-	-	-	-			1.6	2	1	-	-	-	-	-						
Influenza		1.1	2	-	-	1	1	-	-			1.1	2	-	-	1	1	-	-						
Dysentery		14.0	13	9	-	-	1	-	3			14.0	13	9	-	-	1	-	3						
Diarrhoea		4.4	1	-	-	-	-	-	-			4.4	1	-	-	-	-	-	-						
Simple Cholera		1.0	1	-	-	-	-	-	-			1.0	1	-	-	-	-	-	-						
Acute		8.7	7	-	-	1	3	2	1			8.7	7	-	-	1	3	2	1						
Remittent Fever		2.2	1	-	-	-	-	-	-			2.2	1	-	-	-	-	-	-						
Rheumatism		2.2	1	-	-	-	-	-	-			2.2	1	-	-	-	-	-	-						
Other Zymotic Diseases		2.2	1	-	-	-	-	-	-			2.2	1	-	-	-	-	-	-						
ORDER 2.																									
Syphilis		6.4	11	10	-	1	-	-	-			6.4	11	10	-	1	-	-	-						
Stricture of Urethra		1.2	1	-	-	-	-	-	-			1.2	1	-	-	-	-	-	-						
Hydrophobia		2.2	1	-	-	-	-	-	-			2.2	1	-	-	-	-	-	-						
Glanders		2.2	1	-	-	-	-	-	-			2.2	1	-	-	-	-	-	-						
ORDER 3.																									
Privation		1.1	3	1	-	-	1	1	-			1.1	3	1	-	-	1	1	-						
Want of Breast-milk		8.0	5	5	-	-	-	-	-			8.0	5	5	-	-	-	-	-						
Purpura and Scurvy		2.2	1	1	-	-	-	-	-			2.2	1	1	-	-	-	-	-						
Alcohol & Del. Tremens		1.9	1	-	-	-	-	1	-			1.9	1	-	-	-	-	1	-						
Obesity & Intemperance		1.4	1	-	-	-	-	1	-			1.4	1	-	-	-	-	1	-						
ORDER 4.																									
Thrush		2.1	-	-	-	-	-	-	-			2.1	-	-	-	-	-	-	-						
Worms, &c.		3.3	-	-	-	-	-	-	-			3.3	-	-	-	-	-	-	-						
CONSTITUTIONAL DIS.																									
ORDER 1.																									
Gout		2.4	2	-	-	-	2	-	-			2.4	2	-	-	-	2	-	-						
Dropsy		15.5	19	5	1	1	2	8	2			15.5	19	5	1	1	2	8	2						
Cancer		28.6	30	-	-	-	4	17	9			28.6	30	-	-	-	4	17	9						
Cancerum Oris (Noma)		6.6	1	-	-	-	-	-	-			6.6	1	-	-	-	-	-	-						
Mortification		4.6	6	-	1	-	1	-	4			4.6	6	-	1	-	1	-	4						
ORDER 2.																									
Scrofula		10.4	10	8	2	-	-	-	-			10.4	10	8	2	-	-	-	-						
Tabes Mesenterica		17.3	16	13	3	-	-	-	-			17.3	16	13	3	-	-	-	-						
Phthisis		17.7	202	13	13	106	66	4	-			17.7	202	13	13	106	66	4	-						
Hydrocephalus		40.2	33	31	2	-	-	-	-			40.2	33	31	2	-	-	-	-						
LOCAL DISEASES.																									
ORDER 1.																									
Cephalitis		16.0	14	10	2	2	-	-	-			16.0	14	10	2	2	-	-	-						
Apoplexy		36.2	49	4	3	4	14	21	3			36.2	49	4	3	4	14	21	3						
Paralysis		35.4	39	1	1	-	9	23	5			35.4	39	1	1	-	9	23	5						
Insanity		2.4	1	-	-	-	-	-	-			2.4	1	-	-	-	-	-	-						
Chorea		2.2	1	-	-	-	-	-	-			2.2	1	-	-	-	-	-	-						
Epilepsy		8.1	10	-	4	3	2	1	-			8.1	10	-	4	3	2	1	-						
Convulsions		62.0	64	63	1	-	-	-	-			62.0	64	63	1	-	-	-	-						
Brain Disease, &c.		22.0	22	5	1	3	8	3	2			22.0	22	5	1	3	8	3	2						
ORDER 2.																									
Pericarditis		3.0	4	1	1	1	1	-	-			3.0	4	1	1	1	1	-	-						
Aneurism		3.1	5	-	-	3	1	1	-			3.1	5	-	-	3	1	1	-						
Heart Disease, &c.		67.2	76	2	6	15	25	26	2			67.2	76	2	6	15	25	26	2						
ORDER 3.																									
Laryngitis		11.6	14	14	-	-	-	-	-			11.6	14	14	-	-	-	-	-						
Bronchitis		202.5	231	73	6	13	43	77	19			202.5	231	73	6	13	43	77	19						
Pleurisy		3.0	4	2	1	1	-	1	-			3.0	4	2	1	1	-	1	-						
Pneumonia		99.9	107	69	10	5	14	8	1			99.9	107	69	10	5	14	8	1						
Asthma		15.8	17	1	-	1	6	9	-			15.8	17	1	-	1	6	9	-						
Lung Disease, &c.		13.4	13	7	1	2	4	3	1			13.4	13	7	1	2	4	3	1						
ORDER 4.																									
Gastritis		1.6	1	-	-	-	-	-	-			1.6	1	-	-	-	-	-	-						
Enteritis		5.3	7	4	2	1	-	-	-			5.3	7	4	2	1	-	-	-						
Peritonitis		2.3	5	-	1	4	-	-	-			2.3	5	-	1	4	-	-	-						
Ascites		5.1	1	-	-	-	-	-	-			5.1	1	-	-	-	-	-	-						
Ulceration of Intestines		3.1	2	-	-	-	-	1	-			3.1	2	-	-	-	-	1	-						
Hernia		2.8	6	-	1	1	1	2	1			2.8	6	-	1	1	1	2	1						
Ileus		3.0	2	-	-	-	1	1	-			3.0	2	-	-	-	1	1	-						
Intussusception		3.0	1	-	-	-	-	-	-			3.0	1	-	-	-	-	-	-						

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, and from other Zymotic Diseases, during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
REGISTRARS' SUB-DISTRICTS.					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti-	
LONDON		2,803,989	2421	1625	332	345	8	30	78	2	68	6	11	12	13	58	118	2	
WEST DISTRICTS		458,125	339	336	77	68	1	7	7	-	17	-	3	2	2	9	18	7	
NORTH DISTRICTS		618,210	512	362	74	98	-	4	24	1	11	4	3	2	5	14	29	5	
CENTRAL DISTRICTS		383,321	269	180	34	41	1	8	5	-	6	1	-	2	1	5	17	2	
EAST DISTRICTS		571,168	544	292	69	48	2	3	8	-	11	1	2	2	2	10	32	4	
SOUTH DISTRICTS		773,175	757	455	78	90	4	8	34	1	23	-	3	4	3	20	22	5	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	35	46	12	9	-	1	-	-	5	-	-	1	1	2	2	-	
St. John Paddington H		36769	11	9	2	2	-	1	-	-	-	-	-	-	1	1	3	-	
Kensington Town W		51910	60	37	13	6	-	-	-	-	3	-	-	-	-	2	5	-	
Brompton H		18198	16	19	5	2	-	-	-	-	1	-	-	-	-	-	-	-	
St. Peter Hammersmith		5415	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	27	12	5	1	-	-	-	-	-	1	-	-	-	-	1	-	
Fulham W		15539	23	14	3	3	-	-	2	-	-	-	-	1	-	-	-	-	
Chelsea South H		21654	23	23	6	6	-	2	1	-	1	-	-	-	-	1	1	-	
Chelsea North-west HW		19899	13	28	1	12	-	-	-	-	2	-	1	-	-	-	-	-	
Chelsea North-east		21886	9	12	5	-	-	-	-	-	1	-	-	-	-	-	1	-	
Hanover Square		19773	6	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W		12885	2	14	1	6	-	-	-	-	-	-	1	-	-	-	-	-	
Belgrave H		55113	34	32	9	6	-	-	3	-	3	-	-	-	-	-	1	-	
St. John Westminster		37483	27	13	3	1	1	-	1	-	-	-	-	-	-	-	-	-	
St. Margaret Westminster WH		30730	20	31	6	7	3	-	-	-	1	-	-	-	-	3	3	1	
St. James's Square		10753	-	9	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	8	16	1	5	-	-	-	-	-	-	-	-	-	-	-	-	
Berwick-street		10607	10	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17436	13	9	3	-	-	-	-	-	-	-	-	-	-	-	1	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	20	15	1	6	-	-	-	1	-	-	-	-	-	2	-	-	
Cavendish Square		16090	6	7	2	2	-	-	-	-	-	-	-	-	-	-	1	-	
Rectory Marylebone W		26692	17	25	2	13	-	-	-	-	-	-	1	-	-	-	3	-	
St. Mary Marylebone H		22493	19	12	3	3	-	-	-	-	1	-	-	-	1	-	-	-	
Christchurch Marylebone		34913	30	17	5	3	-	-	-	-	-	-	-	-	2	-	-	-	
St. John Marylebone		32540	19	10	3	3	-	-	2	-	-	-	-	-	-	-	2	-	
Hampstead WH		19106	13	12	1	3	-	-	2	-	-	-	-	-	-	2	2	-	
Regent's Park Pancras		84927	14	20	4	3	-	-	2	-	1	2	-	-	-	-	1	-	
Tottenham-court WH		29371	26	25	3	3	-	-	1	-	-	-	-	-	-	1	1	-	
Gray's Inn Lane H		27808	23	15	4	2	-	-	2	-	-	-	-	-	1	1	1	-	
Somers Town		39099	23	27	6	4	-	1	3	-	1	-	-	-	-	-	3	-	
Camden Town W		23266	17	12	2	8	-	-	-	-	-	-	-	-	-	-	-	-	
Kentish Town		44317	62	31	7	5	-	1	2	-	2	-	-	1	1	2	5	-	
Islington West* WHH		75442	58	41	8	13	-	1	4	-	1	-	1	1	-	-	6	-	
Islington East Ww		79899	73	37	10	8	-	1	3	-	1	-	1	-	-	4	6	-	
Stoke Newington		6608	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill		5483	9	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	15	10	3	3	-	-	1	-	-	1	-	-	-	-	-	-	
Hackney WHW		31481	30	23	3	9	-	-	2	-	2	-	-	-	-	1	2	-	
South Hackney L		15453	30	19	6	5	-	-	-	-	1	1	-	-	-	-	2	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	8	8	3	4	1	-	-	-	-	1	-	1	-	-	1	-	
St. Giles South WH		19483	16	17	5	5	-	1	-	-	-	-	-	-	-	-	-	-	
St. Giles North		17201	21	7	2	1	-	-	-	-	1	-	-	-	1	1	1	-	
Long Acre		11613	8	8	1	1	-	-	-	-	-	-	-	-	-	1	1	-	
Charing Cross WH		11071	5	8	-	3	-	-	-	-	-	-	-	-	-	1	1	-	
St. Mary-le-Strand		10346	7	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		15207	6	6	1	1	-	-	1	-	-	-	-	-	-	1	1	-	
St. George-the-Martyr H		19903	15	7	1	3	-	-	-	-	-	-	1	-	-	-	-	-	
St. Andrew East Holborn W		12947	14	8	-	3	-	-	-	-	-	-	-	-	-	-	1	-	
Saffron Hill		12012	2	3	-	1	-	-	-	-	-	-	-	-	-	-	1	-	
St. James Clerkenwell W		19152	13	15	3	-	-	5	-	-	-	-	-	-	-	-	-	-	
Amwell Clerkenwell		17250	14	12	1	2	-	1	-	-	-	-	-	-	-	1	-	-	
Pentonville		13079	12	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street		16200	15	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	
Old-street		11504	12	14	5	4	-	-	-	-	2	-	-	-	-	1	4	-	
City-road HL		17860	31	6	1	1	-	-	1	-	-	-	-	-	-	-	3	-	
Whitcross-street		14778	24	9	5	-	-	-	-	-	2	-	-	-	-	-	1	-	
Finsbury		12931	6	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph East London		20990	10	7	1	-	-	1	-	-	-	-	-	-	-	-	-	-	
Cripplegate		19697	6	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH		11750	3	12	-	-	-	-	-	-	-	-	-	-	-	1	1	10	
St. Bride W		15395	9	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9020	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking		8659	4	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	
Broad Street		11644	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Public Officials of Institutions are not included.

OVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 tuesday, 2d April 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total BIRTHS during the Week.	Total DEATHS during the Week.	The DEATHS registered in the Week include													
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																	
polywell Shoreditch	17313	15	4	-	1	-	-	-	-	1	-	-	-	-	-	-	-
Leonard Shoreditch L†	19188	16	6	1	1	-	-	-	-	1	-	-	-	-	-	1	1
oxton New Town W	26516	26	14	2	3	-	-	-	-	1	-	-	-	-	-	-	-
oxton Old Town -	25777	33	11	4	1	-	-	-	-	-	3	-	-	-	-	-	-
aggerstone West W	23260	18	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-
aggerstone East -	17310	18	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-
ackney-road -	26298	24	14	1	2	-	-	-	-	-	3	-	-	-	-	-	-
reen, Bethnal Green WH†	31789	33	17	2	5	-	-	-	-	-	-	-	-	-	-	5	-
urch, Bethnal Green -	25528	26	19	3	2	-	1	-	-	-	-	-	-	-	3	6	-
own, Bethnal Green -	21486	16	5	1	1	-	-	1	-	-	-	-	-	-	-	-	-
rtillery Whitechapel -	6557	8	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
italfields -	16700	14	9	3	2	-	-	-	-	-	-	-	-	-	-	1	-
ile End New Town W	15392	16	10	1	3	-	-	-	-	-	-	-	-	-	1	5	3
Whitechapel North -	12122	10	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church H	8062	6	12	3	1	-	-	-	-	-	-	-	-	-	-	-	6
oodman's Fields -	11166	5	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-
ddgate -	9071	2	3	-	-	-	-	-	1	-	1	-	1	-	-	-	-
ary St. George East -	18181	19	9	2	1	-	-	-	-	-	-	-	-	-	-	1	-
Paul St. George East -	21015	27	9	1	1	-	-	-	-	-	-	-	-	-	1	1	-
John St. George East W	9695	6	7	2	1	-	-	-	-	-	-	-	-	-	2	4	-
adwell W -	12537	10	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
atcliff WH -	16874	12	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-
imehouse W -	27161	28	13	4	3	1	1	-	-	1	-	-	1	-	-	-	-
ile End Old Town West -	33747	32	17	5	2	-	-	-	1	-	1	-	-	-	1	2	-
ile End Old Town East Ww	39317	38	28	8	7	-	-	-	1	-	-	-	-	-	-	-	4
ow WwL† -	35967	46	27	6	5	-	-	-	-	-	-	-	-	-	-	2	6
oplar W -	43529	40	20	5	-	1	1	3	-	-	-	-	-	-	-	2	-
SOUTH DISTRICTS.																	
ristchurch Southwark W	17069	10	10	-	4	-	-	-	-	1	-	-	-	-	-	-	2
aviour Southwark H	19101	12	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ent-road -	19652	11	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
orough-road W -	16658	13	9	2	4	-	-	1	-	-	-	-	-	-	1	-	3
ondon-road L -	19190	10	7	2	-	-	-	1	-	-	-	-	-	-	-	-	-
trinity Newington -	22675	18	10	3	4	1	-	-	-	2	-	-	-	-	-	-	-
eter Walworth W	44463	46	23	5	7	-	-	-	-	2	-	-	-	-	-	1	3
ary Newington H	15082	15	5	3	-	-	-	-	-	-	-	-	-	-	-	-	2
Olave Southwark H	7663	4	8	-	-	-	-	-	2	-	-	-	-	-	2	3	4
John Horsleydown W	11393	10	7	-	5	-	-	-	-	-	-	-	-	-	-	-	-
leather Market -	16696	19	9	1	-	-	1	1	-	-	-	-	-	-	-	-	-
ary Magdalen W	16505	15	6	2	1	-	-	1	-	3	-	-	-	-	-	-	1
ames Bermondsey -	25154	62	22	3	5	-	-	-	3	-	3	-	-	-	-	-	-
otherhithe W -	24502	17	13	2	3	-	-	-	-	-	-	-	-	-	2	2	1
aterloo-road 1st -	15269	14	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
aterloo-road 2nd H	18640	18	6	1	-	-	-	-	1	-	1	-	-	-	-	-	-
ambeth Church 1st -	19839	23	15	2	2	-	-	-	-	-	2	-	-	-	-	-	-
ambeth Church 2nd W	20542	32	23	5	5	1	-	-	1	-	3	-	1	-	2	2	7
ennington 1st -	30785	26	22	3	4	-	-	-	-	1	-	-	-	-	1	1	-
ennington 2nd -	20440	24	17	1	1	-	-	-	-	-	-	-	-	-	-	-	-
rixton -	20067	27	11	2	2	-	-	-	-	-	-	-	-	-	1	-	-
orwood W -	7462	8	4	2	-	-	-	-	1	-	-	-	-	-	-	-	-
apham -	20694	16	11	1	1	1	2	1	-	-	-	-	-	-	-	1	-
attersea W -	19600	37	28	7	7	-	-	-	-	-	-	-	1	-	4	5	8
andsworth L	13346	14	11	1	2	-	-	2	-	1	-	-	1	-	-	-	3
atney -	6481	8	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
treatham -	10682	14	4	1	-	-	-	-	2	-	-	-	-	-	-	-	-
ulwich -	1723	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
amberwell WH†	21297	26	21	3	6	-	1	-	-	-	-	-	-	-	-	-	6
ackham W	28135	23	18	4	5	1	-	2	-	1	-	-	1	-	-	-	1
George Camberwell -	20333	23	12	1	2	-	-	3	-	1	-	-	-	-	-	-	-
Paul Deptford -	37834	46	18	3	3	-	-	2	-	1	-	-	-	1	-	3	-
Nicholas Deptford -	8139	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
reenwich West H	21696	13	29	4	5	-	1	2	-	-	-	-	-	1	4	-	4
reenwich East WH	18506	20	19	5	3	-	-	-	-	1	-	1	-	-	1	2	7
ltham -	3009	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ee -	11003	13	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ewisham Village W	7872	6	5	1	1	1	1	-	-	-	-	-	-	-	-	-	1
ydnam -	10595	9	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
harlton H -	9276	9	6	1	-	-	-	-	-	1	-	-	-	-	-	-	3
oolwich Dockyard H	22919	11	4	1	-	-	-	1	-	1	-	1	-	-	-	-	-
oolwich Arsenal H	18776	13	10	1	2	-	-	-	-	-	-	-	-	-	-	2	-
umstead West -	9	0	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-
umstead East -	24502	12	10	-	1	-	-	-	2	-	3	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand - - - - - Tottenham-court sub-district.	London City - - - - - Mile End Old Town Eastern sub-dist. and
London City - - - - - Islington East.	Stepney - - - - - Bow sub-district.
Do. do. - - - - - Hackney sub-district.	Do. do. - - - - - Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 2d APRIL 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.				DIFFERENCE				WIND.				RAIN.	
Phases of Moon.		Mean daily reading and reduced to 32 deg. Fahrenheit (height).		Dry.		Wet.		Between Day and Night.		Between mean temperature of the day and mean temperature of the same day, on an average, of 50 years.*		As deduced from Anemometers.		Oiler's.		Collected in a Glass, whose surface receiving above the ground.	
MONTH AND DAY.		Highest in the sun, as shown by a thermometer.		Lowest on the Grass, as shown by a registering thermometer.		In the Water at Greenwich, by self-registering thermometer.		Between mean temperature of the day and mean temperature of the same day, on an average, of 50 years.*		Degree of Humidity, complete saturation being 100.		General Direction.		Pressure on square foot.		Amount of Movement of Air each day.	
		Highest.		Lowest.		Highest.		Least.		Least.		A.M.		P.M.		Mean of 24 Obs.	
MARCH.		in.		°		°		°		°		lbs.		lbs.		Miles.	
SUNDAY . 27	..	30.154	41.9	33.7	8.2	37.1	31.7	57.5	31.4	38.4	37.4	5.4	8.6	2.0	0.0	0.0	2
MONDAY . 28	..	30.276	37.9	33.6	4.3	34.9	27.9	46.2	29.8	39.4	37.9	7.0	9.4	4.9	0.0	0.1	3
TUESDAY . 29	..	30.210	41.0	33.6	7.4	35.8	29.5	50.3	27.2	40.4	38.4	6.3	10.8	8.8	0.0	0.1	3
WEDNESDAY . 30	..	30.110	42.7	31.5	11.2	36.3	31.3	59.6	25.0	40.4	38.4	5.0	9.5	0.0	0.0	0.0	1
THURSDAY . 31	..	30.110	47.2	27.0	20.2	37.1	33.3	101.6	22.0	40.9	38.4	3.8	12.0	0.0	0.0	0.0	2
APRIL.																	
FRIDAY . 1	New in Equator	30.061	48.7	30.8	17.9	37.9	32.9	107.4	27.2	41.4	39.4	5.0	13.6	0.8	0.0	0.0	6
SATURDAY . 2	Apogee	30.118	56.5	26.1	30.4	41.1	34.0	110.8	19.5	41.4	39.4	7.1	18.0	0.0	0.0	0.0	3
MEANS . .	..	30.148	45.1	30.9	14.2	37.2	31.5	76.2	26.0	40.3	38.5	5.7	11.7	1.5	..	..	2.7
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	26

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's first glass standard barometer. The observations are taken at 9h. A.M.; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometers by Glaisher's Hygrometrical Tables, fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher, from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years' period ending 1867. In reading the 7th column it will be borne in mind that + is read "higher," and "lower" than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29.92 in. at the beginning of the week to 30.30 in. by noon on the 28th; decreased to 30.09 in. by 3h. P.M. on the 30th; increased to 30.15 in. by 9h. A.M. on the 31st of March; decreased to 30.03 in. by 3h. P.M. on the 1st of April; and increased to 30.16 in. by the end of the week.

SKY AND ATMOSPHERE.

Cloudy till evening; generally cloudless afterwards.

Overcast. A little snow fell in the morning.

Generally overcast till night; partially clear at night. A little snow fell occasionally in the morning.

Generally overcast till 6h. P.M., cloudless afterwards.

Hear frost in the morning. A very fine day; partially cloudy.

A very fine day; partially cloudy during the morning; cloudless throughout the remainder of the day.

Hear frost in the early morning hours. A fine day. Cloudless throughout the day. Occasional haze.

ELECTRICITY.

The illuminating lamp was not burning throughout the week.

DATE.

MARCH.

SUNDAY . 27

MONDAY . 28

TUESDAY . 29

WEDNESDAY . 30

THURSDAY . 31

APRIL.

FRIDAY . 1

SATURDAY . 2

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 14. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, APRIL 9. [Price 1d.

*General Register Office, Somerset House,
11th April 1870.*

DURING the week ending Saturday the 9th instant, 4987 *births* and 3759 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 27 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the preceding four weeks was 26 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 26 per 1000; Portsmouth 28, Norwich 22, Bristol 31, Wolverhampton 26, Birmingham 23, Leicester 23, Nottingham 30, Liverpool 30, Manchester 30, Salford 28, Bradford 31, Leeds 24, Sheffield 27, Hull 24, Sunderland 18, and Newcastle-upon-Tyne 25. Although the deaths from all causes last week in the 17 towns were the same in number as were recorded in the previous week, the seven principal diseases of the Zymotic class (see Table 4.) show a fatality reduced from 465 to 448 deaths. Scarlet fever caused 11 out of 296 deaths in Liverpool, 17 out of 130 deaths in Sheffield, and 8 out of 60 deaths in Hull. Whooping-cough caused 20 out of 219 deaths in Manchester.

The deaths registered last week in Edinburgh were at the annual rate of 29 per 1000 persons living, in Glasgow 34 per 1000, and in Dublin 25.

In the week ending last Saturday the deaths registered in Paris showed an annual death-rate of 33 per 1000 persons living: small-pox caused 118 of the deaths, against 103 and 112 in the two previous weeks. The deaths in Berlin in the seven days ending Thursday the 7th instant, gave an annual rate of 35 per 1000, and in Vienna during the week ending 2d inst., a rate of 33 per 1000.

In LONDON the *births* of 1207 boys and 1151 girls, in all 2358 children, were registered last week. The *deaths* registered in the same time were 1631. During the corresponding weeks of ten previous years the registered births averaged 2110, and the deaths 1454 per week; after making due allowance for increase of population, the average for the past week is estimated at 2321 births and 1599 deaths; the registered births, therefore, were 37, and the deaths 32, above the estimated average.

Of infants in their first year 323 died last week against 332 in the week preceding; the deaths of persons aged 60 years and upwards increased from 345 to 386. The deaths under 5 years of age were 626, at the ages 5 to 20 years they were 111, at 20 to 40 years 213, at 40 to 60 years 292, at 60 to 80 years 311, and 78 at 80 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 30, in the Northern group of 25, in the Central group of 27, in the Eastern group of 27, and in the Southern group of 25 per 1000 persons living.

Zymotic diseases caused 289 deaths, including 8 from small-pox, 34 from measles, 71 from scarlet fever, 61 from whooping-cough, 6 from typhus, 18 from enteric (or typhoid) fever, 12 from simple continued fever, 2 from relapsing fever, and 16 from diarrhoea. Measles continues to be more fatal in the Central Districts than in any other group.

The deaths from phthisis were 198, from bronchitis 259, from pneumonia 107, and from heart disease 69.

To accident or negligence 43 deaths were ascribed; among these were 12 cases of fractures and contusions, 9 deaths by burns or scalds, 9 by drowning, and 10 by suffocation. Ten suicides were recorded.

Two children died of accidental suffocation, the one aged 3 years from swallowing a halfpenny, and the other aged 8 months from swallowing a marble.

A railway porter's daughter, aged 7 years, died on 24th March in St. Thomas's Hospital, from ruptured liver, having been accidentally run over by a horse and cart. (*Inquest.*)

The death of a gardener, aged 61 years, was registered in the workhouse at Mile-end New Town, from "want of food, and privation." *Post mort.* (*Inquest.*)

In the Public Institutions of the Metropolis 263 deaths were registered during the week; of these 143 occurred in Workhouses, 2 in Military and Naval Asylums, 77 in General Hospitals, 25 in Hospitals for special diseases, 1 in Lying-in Hospitals, 4 in Military and Naval Hospitals, and 11 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean height of the *barometer* 29·901 in.; the barometrical reading increased from 30·16 in. at the beginning of the week to 30·36 in. on Monday morning, decreased to 29·31 in. on Saturday at noon, and was 29·37 in. at the end of the week. The *mean temperature* of the air was 45·5°, or 0·2° above the mean temperature of corresponding week in 50 years (1813–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature was 65·5° on Wednesday; the lowest night temperature was 26·0° on Monday; the entire range of temperature in the week was, therefore, 39·5°. The mean of the highest temperatures of the *water* of the Thames was 44·0°; that of the lowest was 42·8°. The difference between the mean *dew-point* temperature and *air* temperature was 9·3°. The mean degree of *humidity* of the air was 71, complete saturation being represented by 100. *Rain* fell during the week to the amount of ·07 in. The general direction of the *wind* was E. and S.S.W.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 174,914 cubic metres, and at Barking 165,972 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

Sanitary improvement, it is gratifying to find, now engages the attention of the authorities in the great cities of India. The Registrar General has just received from Dr. T. G. Hewlett, the zealous Health Officer and Coroner for the City of Bombay, a series of Weekly Returns of mortality for the present year, published in that city. Bombay is said to be next to London the largest city in Her Majesty's dominions; its population at the Census of 1864 was 816,562. Its area is 18·62 square miles (11,917 acres), and the inhabitants are distributed at the rate of 69 persons to an acre, their density being thus greater than that of London by 28 persons to an acre. Under the judicious directions of the Municipal Commissioner, Mr. Crawford, and of the Health Officer, the sanitary condition of Bombay has been greatly improved, and the mortality has been reduced from 31 per 1000 in 1864, to 21 per 1000 in 1866, and to 19 in 1868. In the present year the deaths in the ten weeks ending March 8th amounted to 2951; in the ten corresponding weeks of five previous years the number was 4134; the annual rate of mortality was therefore 19 per 1000 this year against 26 in the preceding five years. The deaths in the week ending March 15th were 277, the mortality being at the annual rate of 18 per 1000. The meteorological observations taken at the Government Observatory, Bombay, show that the mean temperature of the air during the month of January was 73·6° and in February 75·6°. The mean (corrected) readings of the barometer were for January 29·879 in., and for February 29·877 in.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FOURTEENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1593	2000	2095	1972	2013	2203	2274	2340	2375	2225	2109·5	2353
Males . .	838	1012	1085	955	1018	1113	1175	1158	1192	1133	1067·9	1207
Females .	755	988	1010	1017	995	1095	1099	1182	1183	1092	1041·6	1151
TOTAL Deaths	1439	1220	1299	1475	1501	1680	1574	1453	1346	1550	1453·7	1631
Males . .	694	627	674	795	768	857	809	752	658	829	746·3	859
Females .	745	593	625	680	733	823	765	701	688	721	707·4	772

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	Jan. 15.	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.	Apr. 2.	Apr. 9.
TOTAL Deaths	1664	1652	1613	1828	1568	1716	1861	1673	1499	1532	1478	1625	1631*
Deaths under 5 years of age	666	668	684	681	616	687	713	640	547	613	577	665	626
Deaths 5–20	115	109	125	134	117	123	120	116	93	101	104	120	111
Deaths 20–40	233	213	220	222	188	225	214	218	221	218	217	214	213
Deaths 40–60	271	254	255	332	279	298	313	286	280	259	241	281	292
Deaths 60–80	291	321	312	380	310	311	412	341	304	272	271	269	311
Deaths at 80 years & upwards	88	87	67	79	58	72	89	72	54	69	68	76	73
Deaths from Small-pox	12	8	5	11	4	10	11	8	6	3	5	8	8
" " Measles	40	41	28	23	23	17	18	21	17	20	19	30	34
" " Scarlet Fever	114	143	118	107	103	104	111	78	69	81	56	78	71
" " Diphtheria	8	8	7	5	3	3	5	8	6	4	5	2	3
" " Whooping-cough	53	55	67	79	65	61	79	58	49	65	53	68	61
" " Typhus fever	13	12	7	14	6	9	8	6	4	8	10	6	6
" " Enteric (or Typhoid) fever	14	12	17	9	22	21	11	14	19	8	16	11	18
" " Simple Contagious fever	23	15	11	12	5	9	13	15	10	13	10	12	14
" " Diarrhoea	13	15	8	17	11	20	15	16	14	11	9	13	16
" " Phthisis	179	175	180	198	170	191	226	171	209	193	184	202	198
" " Bronchitis	233	242	277	316	265	335	323	305	232	212	221	231	259
" " Pneumonia	116	87	81	114	74	109	90	89	88	86	93	107	107
" " Heart Disease	71	64	84	91	66	76	77	76	54	74	65	76	69
Mean Temperature of the Air	39·3	36·1	31·6	42·0	32·4	30·7	36·9	45·8	38·4	41·0	38·1	37·2	45·5
Mean Temperature of the Water of the Thames	41·0	39·1	37·7	39·9	37·8	31·5	33·2	40·2	39·6	42·3	43·4	39·4	43·4
Humidity of the Air	87	82	82	87	72	74	75	85	81	82	83	80	71
Rain-fall in inches	0·48	0·05	0·00	0·25	0·25	0·05	0·05	1·22	0·02	0·44	0·37	0·00	0·07

* The returns for the sub-districts of All Souls (Marylebone) and St. Nicholas Deptford (Greenwich) were not received when the tables were under preparation, but averages of 17 and 3 respectively, derived from the returns of six previous weeks, are inserted.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thurstans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Farbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackeroth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaste, Esq., junr., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. L. ... Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 9th day of April 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 9th April.	DEATHS registered during the Week ending 9th April.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM - -	213,281	7,216,325	33·8	4987	3759	66·2	24·0	45·4	7·44	0·19	0·48
LONDON - - -	77,997	3,214,707	41·2	2358	1631	65·5	26·0	45·5	7·50	0·07	0·18
PORTSMOUTH - -	9,513	122,084	12·8	83	65	61·4	29·4	43·9	6·61	0·10	0·28
NORWICH - - -	7,472	81,087	10·9	58	34	64·2	29·0	46·2	7·89	0·04	0·10
BRISTOL - - -	4,688	171,882	36·6	119	101	61·7	26·9	44·0	6·67	0·09	0·25
WOLVERHAMPTON -	3,387	72,990	21·5	42	37	65·3	31·5	46·1	7·84	0·18	0·48
BIRMINGHAM - -	7,831	369,604	47·2	228	162	63·0	29·7	45·5	7·50	0·03	0·08
LEICESTER - - -	3,200	97,427	30·4	74	43	66·2	26·0	45·0	7·22	0·24	0·61
NOTTINGHAM - -	1,996	88,888	44·5	50	51	61·3	27·4	44·6	7·11	0·01	0·03
LIVERPOOL - - -	5,108	517,567	101·3	362	296	59·5	34·6	47·0	8·33	0·42	1·07
MANCHESTER - -	4,486	374,993	83·6	253	219	64·3	30·0	46·5	8·06	0·49	1·25
SALFORD - - -	5,172	121,580	23·5	84	65	62·7	31·1	46·3	7·95	0·47	1·20
BRADFORD - - -	6,590	143,197	21·7	101	85	58·6	33·5	46·1	7·84	0·00	0·00
LEEDS - - -	21,572	259,527	12·0	138	120	62·0	31·0	45·7	7·61	0·00	0·00
SHEFFIELD - - -	22,830	247,378	10·8	179	130	63·8	32·6	46·2	7·89	0·36	0·91
HULL - - -	3,562	130,869	36·7	77	60	62·0	24·0	42·8	6·01	0·12	0·30
SUNDERLAND - -	3,306	100,979	30·5	39	35	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	81	65	58·0	36·0	46·4	8·00	0·08	0·20
EDINBURGH - - -	4,427	178,970	40·4	156	101	57·7	33·0	43·9	6·61	0·20	0·51
GLASGOW - - -	5,063	468,189	92·5	360	302	56·3	30·5	43·9	6·61	0·27	0·69
DUBLIN - - -	9,745	321,540	33·0	145	157	61·5	29·0	46·5	8·06	0·42	1·07
PARIS - - -	7,802	1,889,842	242	—	1201	—	—	—	—	—	—
				Week ending 2 Apr. 1870.	Week ending 2 Apr. 1870.	Week ending 2d April 1870.					
VIENNA - - -	3,728*	622,087	167	—	397	—	—	37·6	3·12	—	—
				Week ending 7 Apr. 1870.	Week ending 7 Apr. 1870.	Week ending 7th April 1870.					
BERLIN - - -	6,253	702,437	112	598	478	—	—	46·2	7·88	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 9th day of April 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public	
LONDON - - -	26	1631	323	386	8	34	71	3	61	38	16	53	100	26	
PORTSMOUTH - - -	28	65	15	16	-	-	1	2	2	3	1	-	1	-	
NORWICH - - -	22	34	11	6	-	-	1	-	-	-	-	-	5	-	
BRISTOL - - -	31	101	27	25	-	4	9	-	4	2	-	2	4	1	
WOLVERHAMPTON -	26	37	8	7	-	-	1	1	-	1	-	-	-	-	
BIRMINGHAM - -	23	162	44	34	-	2	1	1	9	4	2	5	14	2	
LEICESTER - - -	23	43	15	8	-	-	-	-	-	-	-	-	1	-	
NOTTINGHAM - -	30	51	13	14	-	1	-	-	-	1	-	-	-	-	
LIVERPOOL - - -	30	296	83	68	-	4	11	2	9	7	9	16	21	4	
MANCHESTER - -	30	219	50	35	-	1	4	-	20	12	2	4	10	8	
SALFORD - - -	28	65	18	10	1	-	1	-	4	3	-	1	3	-	
BRADFORD - - -	31	85	27	15	1	1	4	-	2	1	2	1	-	1	
LEEDS - - -	24	120	26	22	-	-	2	-	5	2	3	8	9	1	
SHEFFIELD - - -	27	130	30	15	-	1	17	-	5	8	1	3	5	-	
HULL - - -	24	60	13	6	-	-	8	1	-	-	-	-	4	-	
SUNDERLAND - -	18	35	11	4	-	-	-	-	2	-	-	1	2	-	
NEWCASTLE-ON-TYNE -	25	65	11	17	-	1	-	1	2	1	3	3	4	-	
DUBLIN - - -	25	157	27	43	-	1	5	-	1	3	4	-	2	-	

TABLE 5.—DEATHS IN LONDON Registered in the FOURTEENTH Week of the Year 1870.

In the Week ending Saturday, April 9, 1870.										In the Week ending Saturday, April 9, 1870.													
Deaths of Persons of the Ages										Deaths of Persons of the Ages													
ALL AGES.		Under 20.		40 and under 60.		60 and under 80.		80 Years and upwards.		ALL AGES.		Under 20.		40 and under 60.		60 and under 80.		80 Years and upwards.					
Mean Tem.		0-5.		5-20.		20 and under 40.		40 and under 60.		Mean Tem.		0-5.		5-20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.	
Mean Temperature -		46°0		45°5		0-5.		5-20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.		Mean Temperature -		46°0		45°5	
ALL CAUSES -		1453·7		1631		616		106		212		291		309		77		9. Stricture of Intestines -		6		2	
SPECIFIED CAUSES		1435·8		1607		613		106		212		290		309		77		10. Fistula -		3		1	
ZYMOTIC DISEASES.																		11. Stomach Disease, &c. -		4·9		6	
ORDER 1.																		12. Pancreas Disease, &c. -		3·4		5	
Small-pox -		19·1		8		2		1		5								13. Hepatitis -		4·0		6	
Measles -		34·7		34		33		1										14. Jaundice -		13·4		17	
Scarlet Fever (Scarlatina) -		35·2		71		46		21		3		1						15. Liver Disease, &c. -		1			
Diphtheria -		8·6		3		1		2										16. Spleen Disease, &c. -					
Quinsey -		1·3																ORDER 5.					
Croup -		15·3		12		11		1		1		2		1				1. Nephritis -		1·3		5	
Whooping-cough -		68·7		61		60		2		1		2		1				2. Ischuria -		1		1	
Enteric or Typhoid Fever -		49·0		18		4		7		3		2		2				3. Bright's Disease (Nephria) -		9·6		10	
Simple continued Fever -				14		4		1		2		1		4				4. Diabetes -		1·2		2	
Erysipelas -		6·9		7		2		1		2		3						5. Calculus (Stone) -		6		1	
Puerperal Fever (Metria) -		3·6		4		1		1		4								6. Cystitis -		4		1	
Carbuncle -		7		1		1		1		1		1						7. Kidney Disease, &c. -		7·2		13	
Influenza -		1·9		1		1		1		1		1						ORDER 6.					
Dysentery -		1·0		1		1		1		1		1						1. Ovarian Dropsy -		6		6	
Diarrhoea -		12·9		16		8		1		1		6						2. Uterus Disease, &c. -		3·6		6	
Simple Cholera -		4																ORDER 7.					
Ague -		8																1. Synovitis (Arthritis) -		3		3	
Remittent Fever -		6·7		9		1		1		3		3		1				2. Joint Disease, &c. -		5·1		3	
Rheumatism -		1																ORDER 8.					
Other Zymotic Diseases -		1																1. Phlegmon -		2·1		4	
ORDER 2.																		2. Ulcer -		1·4		1	
Syphilis -		6·7		8		7		1		1		1						3. Skin Disease, &c. -		1·6		2	
Stricture of Urethra -		8		1														IV. DEVELOPMENTAL DISEASES.					
Hydrophobia -		1																ORDER 1.					
Glanders -		1																1. Premature Birth -		21·9		19	
ORDER 3.																		2. Cyanosis -		2·0		2	
Privation -		1·1		1		1		1		1		1						3. Spina Bifida -		1·6		1	
Want of Breast-milk -		8·6		7		7		1		1		1						4. Other Malformations -		1·7		1	
Purpura and Scurvy -		1·9		3		1		1		1		1						5. Teething -		24·4		26	
Alco-1/2 Del. Tremens -		2·8		2		1		1		1		1											
Holism 1/2 Intemperance -		1·4		1		1		1		1		1											
ORDER 4.																		ORDER 2.					
Thrush -		2·6		1		1		1		1		1						1. Paramenia -		2		2	
Worms, &c. -		2																2. Childbirth (see Puer- peral Fever) -		5·1		4	
CONSTITUTIONAL DIS.																		ORDER 3.		58·3		73	
ORDER 1.																		ORDER 4.		61·3		65	
Gout -		2·0		1		1		1		1		1						1. Atrophy and Debility -				53	
Dropsy -		13·3		16		5		1		3		3		3								1	
Cancer -		28·0		32		1		1		7		15		8								2	
Cancerous Oria (Noma) -		4·5		1		1		1		1		1										9	
Mortification -		4·8		3		1		1		1		1										-	
ORDER 2.																		V. VIOLENT DEATHS, &c.					
Scrofula -		8·2		9		6		2		1		1						ORDER 1.					
Tuberc Mesenterica -		16·1		17		15		1		1		1						1. Fractures and Contusions -		12·8		12	
Phthisis -		177·8		198		15		19		96		60		8				2. Wounds -		4		1	
Hydrocephalus -		32·9		29		27		2										3. Burns and Scalds -		7·2		9	
II. LOCAL DISEASES.																		4. Poison -		6		1	
ORDER 1.																		5. Drowning -		5·0		9	
Cephalitis -		15·0		24		16		3		2		1		1				6. Suffocation -		8·9		10	
Apoplexy -		35·5		35		7		1		10		19		1				7. Otherwise -		2·0		1	
Paralysis -		29·2		31		1		1		1		1		1									
Insanity -		2·4																					
Chorea -		3																					
Epilepsy -		8·7		18		7		8		6		2											
Convulsions -		55·1		44		43		1		2		7		8									
Brain Disease, &c. -		18·2		20		1		2		2		7		8									
ORDER 2.																		ORDER 3.					
Pericarditis -		1·9		1		1		1		1		1						(HOMICIDE.)					
Aneurism -		1·0		3		1		2		1		1						1. Murder and Manslaughter		2·6		2	
Heart Disease, &c. -		63·8		69		1		3		9		27		26		3		ORDER 4.					
ORDER 3.																		(SUICIDE.)					
Laryngitis -		10·2		18		10		1		2		5		6		20		1. Wounds { Gunshot Cut, Stab		5		1	
Bronchitis -		184·1		259		72		4		7		60		26		20		2. Poison -		1·4		2	
Pleurisy -		2·2		3		1		1		2		2						3. Drowning -		6		2	
Pneumonia -		92·1		107		67		5		12		13		8		2		4. Hanging -		2·0		2	
Asthma -		16·2		11		1		1		4		7		2				5. Otherwise -		2		2	
Lung Disease, &c. -		12·8		15		6		1		5		2		1									
ORDER 4.																		ORDER 5.					
1. Gastritis -		1·2		4		1		1		1		3						(EXECUTION.)					
2. Enteritis -		6·9		5		2		1		1		1						1. Hanging -					
3. Peritonitis -		5·4		2		1		1		1		1											
4. Ascites -		2·8		3		1		1		1		3						Violent Deaths (not classed)		3·6		24	
5. Ulceration of Intestines -		1·8		1		1		1		1		1						Sudden Deaths (Cause un- ascertained)		3·6		3	
6. Hernia -		3·5		2		1		1		1		1						Causes not specified or ill- defined		14·3		24	
7. Ileus -		3·1		2		1		1		1		1											
8. Intussusception -		5		3		2		1		1		1											

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
LONDON		2,803,989	2358	1631	323	386	8	34	71	3	61	6	18	14	16	53	100	263	
WEST DISTRICTS		458,125	349	311	69	73	1	6	7	-	19	-	3	3	3	15	27	36	
NORTH DISTRICTS		618,210	586	357	69	85	3	3	15	3	7	1	8	1	9	8	24	46	
CENTRAL DISTRICTS		383,321	195	183	23	43	-	11	9	-	4	2	-	1	-	4	7	34	
EAST DISTRICTS		571,158	489	327	78	76	3	8	12	-	10	2	3	3	2	14	26	77	
SOUTH DISTRICTS		773,175	739	453	84	109	1	11	28	-	21	1	4	6	2	12	16	70	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	37	36	10	9	-	1	-	-	4	-	-	-	1	1	2	4	
St. John Paddington H		38769	22	24	4	7	-	-	1	-	2	-	-	-	1	2	2	2	
Kensington Town W		51910	71	58	10	5	-	3	1	-	-	-	-	-	-	-	-	3	
Brompton H		18198	6	11	1	1	-	-	2	-	1	-	-	-	-	-	-	2	
St. Peter Hammersmith		5415	5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	3	
St. Paul Hammersmith H		19104	20	13	2	5	-	-	-	-	-	-	-	-	-	-	-	2	
Fulham W		15539	18	18	4	4	-	-	-	-	1	-	1	-	-	2	2	2	
Chelsea South H		21654	18	24	3	7	-	1	-	-	-	-	1	-	1	1	1	2	
Chelsea North-west HW		19899	23	13	3	2	-	-	-	-	1	-	-	-	-	-	2	3	
Chelsea North-east		21886	15	14	5	2	-	-	-	-	-	-	1	-	-	-	-	3	
Hanover Square		19773	10	7	2	2	-	-	-	-	1	-	-	-	-	-	-	-	
May Fair W		12885	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55118	83	35	4	11	-	-	1	-	4	-	-	-	-	2	5	10	
St. John Westminster		37483	27	18	5	5	-	-	1	-	2	-	-	-	-	-	-	-	
St. Margaret Westminster WH		30730	14	17	4	5	1	-	-	-	1	-	-	-	1	1	7	-	
St. James's Square		10751	3	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	10	11	3	3	-	1	-	-	-	-	-	-	1	1	2	1	
Berwick-street		10607	6	14	5	2	-	-	1	-	-	-	-	-	-	5	8	-	
St. Anne Soho		17426	8	10	1	2	-	-	-	-	2	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone † H		29952	22	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cavendish Square		15090	9	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W		26692	28	22	8	9	-	-	-	-	-	-	-	-	-	-	-	13	
St. Mary Marylebone H		22493	57	12	5	4	-	-	1	-	-	-	-	-	-	-	-	-	
Christchurch Marylebone		34913	23	13	2	2	-	-	-	-	1	-	1	-	1	-	1	-	
St. John Marylebone		32540	18	8	-	4	-	-	-	-	-	-	-	-	-	-	-	-	
Hamstead WH		19106	18	14	1	5	-	-	1	-	1	-	-	1	-	-	-	3	
Regent's Park Pancras		34327	84	24	4	5	-	-	2	1	1	-	-	-	1	-	1	-	
Tottenham-court WH		29871	24	18	2	2	-	-	-	-	-	-	-	-	-	-	-	3	
Gray's Inn Lane H		27803	18	12	1	2	-	-	-	-	-	-	-	-	-	-	-	1	
Somers Town		39099	84	21	2	8	-	1	-	-	-	-	-	-	-	1	1	2	
Camden Town W		23266	18	12	-	5	-	-	1	-	-	-	-	-	-	1	4	6	
Kentish Town		44317	61	25	7	4	-	-	2	-	1	-	-	-	2	1	2	-	
Islington West* WHH		75442	75	67	13	10	3	2	5	2	2	1	4	-	3	10	17	1	
Islington East W		79899	83	48	11	11	-	-	2	-	2	-	1	-	1	-	-	-	
Stoke Newington		6608	4	8	1	3	-	-	-	-	-	-	1	-	1	-	-	-	
Stamford Hill		5483	3	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	
West Hackney		24285	24	6	-	3	-	-	-	-	-	-	-	-	-	1	1	-	
Hackney WHW		31481	32	18	6	4	-	-	-	-	-	-	1	-	1	1	4	1	
South Hackney L		15458	21	10	5	3	-	-	-	-	1	-	-	-	-	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	11	7	-	4	-	-	2	-	-	-	-	-	-	-	-	-	
St. Giles South WH		19483	18	8	2	1	-	-	2	-	1	-	-	-	-	-	-	1	
St. Giles North		17201	10	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Long Acre		11618	7	4	1	1	-	-	-	-	-	1	-	-	-	-	-	-	
Charing Cross WH		11071	3	12	-	5	-	-	-	-	-	-	-	-	-	1	2	8	
St. Mary-le-Strand		10346	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		16207	8	14	2	4	-	-	2	-	1	-	-	-	-	-	-	-	
St. George-the-Martyr H		19903	8	5	2	1	-	-	-	-	-	-	-	-	-	1	2	6	
St. Andrew East Holborn W		12947	4	9	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Saffron Hill		12012	2	4	-	1	-	-	-	-	1	-	-	-	-	-	-	5	
St. James Clerkenwell W		19132	11	17	1	3	-	6	-	-	-	1	-	-	-	-	-	-	
Amwell Clerkenwell		17250	12	11	2	3	-	1	-	-	-	-	-	-	-	-	-	7	
Pentonville		13079	10	4	1	1	-	1	-	-	-	-	-	-	-	-	2	-	
Goswell-street		16200	10	12	2	5	-	-	-	-	-	-	-	-	-	-	-	-	
Old-street		11504	13	6	1	2	-	-	1	-	-	-	-	-	-	-	-	-	
City-road HL		17860	22	9	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Whitecross street		14778	7	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Finsbury		12931	3	5	1	2	-	1	-	-	1	-	-	-	1	1	-	-	
St. Botolph East London		20900	6	12	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate		19697	7	8	-	2	-	1	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH		11750	4	14	1	1	-	-	-	-	-	-	-	-	-	1	-	10	
St. Bride W		16395	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9029	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking		8659	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	6	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Public Officials of Institutions are not included.

‡ Return not received. See note*, page 115.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 9th April 1870.

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Ereptic (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
REGISTRARS' SUB-DISTRICTS.																		
EAST DISTRICTS.																		
St. Leonard Shoreditch	L†	17313	9	3	1	1	-	-	1	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch	-	19188	11	7	4	1	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton New Town	W	26516	30	19	5	2	1	-	-	-	2	-	-	1	-	-	-	2
Hoxton Old Town	-	25777	13	13	3	5	-	-	1	-	-	-	-	-	-	-	-	-
Laggerstone West	W	23260	20	13	-	4	-	-	1	-	-	-	-	1	-	2	4	6
Laggerstone East	-	17310	14	6	1	1	-	-	2	-	-	-	-	-	-	-	-	-
Hackney road	-	20298	21	6	2	2	-	-	-	-	1	-	-	-	-	-	-	-
Green, Bethnal Green	WHL†	31739	42	39	8	12	-	1	-	-	2	-	-	1	1	-	-	20
Church, Bethnal Green	-	25223	17	9	4	1	-	-	-	-	-	-	-	-	-	-	-	-
Town, Bethnal Green	-	21486	23	5	1	1	-	-	2	-	-	-	-	-	-	-	-	-
Artillery Whitechapel	-	6557	5	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Artillery Whitechapel	-	15700	10	7	1	3	-	-	1	-	-	1	-	-	-	-	-	-
St. Giles End New Town	W	15322	8	15	4	2	-	-	-	-	-	-	-	-	-	-	3	11
Whitechapel North	-	12122	8	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Whitechapel Church	H	8062	5	15	1	2	-	-	-	-	-	-	-	-	4	-	4	12
Goodman's Fields	-	11166	7	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-
Edgate	-	9071	2	6	1	1	-	-	1	-	-	-	-	-	-	-	1	-
St. Mary St. George East	-	18181	21	8	5	1	-	-	-	-	-	-	-	-	-	2	3	-
St. Paul St. George East	-	21015	15	12	3	4	-	-	-	-	-	-	-	-	1	1	-	-
St. John St. George East	W	9695	12	10	2	4	-	-	1	-	-	-	-	-	-	-	8	-
Madwell W	-	12337	6	5	-	-	-	-	-	-	2	-	-	-	-	2	2	-
Cliff WH	-	16874	9	6	3	2	-	-	-	-	-	-	1	-	-	-	-	-
Linthouse W	-	27161	22	13	1	3	-	-	-	-	-	-	-	-	1	1	1	-
St. Giles End Old Town West	-	33747	35	16	2	3	2	-	-	-	2	-	-	-	-	1	1	-
St. Giles End Old Town East	Wto	39317	25	26	6	6	-	-	-	-	-	-	2	-	-	-	-	3
Low WtoL†	-	35667	53	34	10	10	-	1	1	-	-	-	-	-	-	-	1	7
Opal W	-	43529	45	23	9	5	-	-	1	-	1	-	-	-	-	1	5	7
SOUTH DISTRICTS.																		
Christchurch Southwark	W	17069	7	4	-	1	-	-	-	-	-	-	-	-	1	-	-	2
St. Saviour Southwark	H	19101	16	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Cent-road	-	19652	14	8	-	5	-	-	-	-	2	-	-	-	-	-	-	-
Cent-road W	-	16608	21	16	2	2	-	-	-	-	-	-	-	-	-	-	-	-
London road L	-	19190	18	14	2	5	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles Newington	-	22675	21	13	-	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Peter Walworth	W	44463	38	23	5	6	-	-	2	-	1	-	-	-	-	-	-	-
St. Mary Newington	H	15082	15	11	-	1	-	-	1	-	-	-	-	-	-	2	2	8
St. Olive Southwark	H	7663	2	18	-	3	-	-	1	-	-	-	-	-	-	-	-	-
St. John Horsleydown	W	11336	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	15
Leather Market	-	16696	12	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Magdalen	W	16505	13	9	3	3	-	-	-	-	-	-	1	-	-	-	-	-
St. James Bermondsey	-	25154	53	16	3	6	-	1	1	-	-	-	-	-	-	1	1	2
Otherhithe W	-	24502	16	12	3	2	-	-	1	-	-	-	-	-	-	1	1	-
Waterloo-road 1st	-	15269	5	5	1	1	-	-	-	-	1	-	-	-	-	-	1	-
Waterloo-road 2nd	H	18440	24	12	1	4	-	-	1	-	-	-	-	-	-	-	-	-
St. Ambeth Church 1st	-	19839	12	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Ambeth Church 2nd	W	20542	44	26	5	7	-	1	2	-	3	-	1	-	-	-	-	3
St. Ann's Church 1st	-	30785	26	15	3	2	-	-	1	-	1	-	-	-	1	-	1	-
St. Ann's Church 2nd	-	20440	9	13	4	2	-	2	1	-	2	-	-	-	-	1	1	-
St. Crixton	-	20067	27	13	5	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Crixton W	-	7462	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Stephen	-	20894	14	12	3	1	-	-	4	-	-	-	-	-	-	-	-	-
St. Andrew W	-	19600	41	20	6	5	-	1	2	-	-	-	-	-	1	-	-	3
St. Andrew W L	-	18346	14	16	5	3	-	-	-	-	1	-	-	-	-	1	1	5
St. Andrew W	-	6481	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew W	-	10082	8	8	2	2	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew W	-	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew W L†	-	21297	23	24	5	8	-	-	1	-	-	-	1	-	-	1	2	6
St. Andrew W	-	23135	23	13	1	4	1	-	1	-	2	-	-	-	1	-	-	-
St. Andrew W	-	20333	30	11	1	1	-	1	-	-	-	1	-	-	-	1	2	-
St. Paul Deptford	-	37334	46	22	7	4	-	1	1	-	2	-	-	-	-	-	1	-
St. Nicholas Deptford	†	8139	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Nicholas Deptford	H	21696	16	16	2	5	-	1	1	-	1	-	1	-	-	-	-	3
St. Nicholas Deptford	WH	18306	11	4	-	2	-	-	-	-	-	-	-	-	-	-	-	1
St. Nicholas Deptford	-	8009	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Nicholas Deptford	-	11003	11	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Nicholas Deptford	-	7372	8	13	2	4	-	1	-	-	-	-	-	-	-	-	-	3
St. Nicholas Deptford	-	10395	13	8	3	-	-	-	-	-	1	-	-	-	-	1	-	-
St. Nicholas Deptford	-	9276	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	1
St. Nicholas Deptford	H	22919	22	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Nicholas Deptford	H	18776	14	12	3	3	-	1	-	2	-	-	-	1	-	-	2	-
St. Nicholas Deptford	-	24502	14	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Nicholas Deptford	-	15	3	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand -	London City -
London City -	Stepney -
Do. do. -	

† Lunatic Asylums where paupers are admitted.
The return for the sub-district of St. Nicholas Deptford contains the death of a child under one year of age, and one death from scarlet fever.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 9th APRIL 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		HARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.			
Phases of Moon.	Mean daily reading (corrected for height of bar.)	Dry.		Dew Point.		Highest in the sun, or on the Grass, as a self-registering thermometer.		Lowest in the shade, or on the Grass, as a self-registering thermometer.		In the Water of the Thames at Greenwich, by a self-registering thermometer.		Between Dew Point and Air Temperature.		Between mean temperature of the day and the mean temperature of the same day of 50 years.*		Degrees of humidity, complete being 100.		As deduced from Anemometers.		Collected gauge whose receiving surface is above the ground.	RAIN.				
		High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Minimum in the shade, as a self-registering thermometer.	Maximum in the sun, or on the Grass, as a self-registering thermometer.	Highest.	Lowest.	Mean Great-est.	Least.	General Direction.	P.M.	Great-est.	Least.	Mean of 24 Hrs.	Amount of Movement of Air each day.			Robinson's.			
MORTH AND DAY.																									
APRIL.																									
SUNDAY	3	30.257	54.1	30.0	24.1	41.4	34.0	100.5	22.6	42.4	41.4	7.4	15.6	0.0	— 3.6	75	ENE.	ESE. & E.	lbs.	176	0.00	3			
MONDAY	4	30.317	52.9	26.0	26.9	38.0	33.5	109.9	18.3	42.6	41.9	4.5	19.1	0.0	— 7.2	84	ENE. & E.	ESE.	0.8	0.1	0.00	2			
TUESDAY	5	30.149	59.0	31.8	27.2	43.0	34.9	118.9	26.5	43.7	42.4	8.1	22.4	0.0	— 2.4	73	E. & ENE.	E. & ESE.	0.6	0.1	0.00	3			
WEDNESDAY	6	29.936	65.5	28.0	37.5	46.7	33.9	123.5	21.2	44.4	42.4	12.8	25.4	1.5	+ 1.3	61	Calm	SW.	0.3	0.0	0.00	3			
THURSDAY	7	29.804	65.4	36.0	29.4	50.6	33.6	119.5	28.4	..	..	17.0	24.5	7.2	+ 5.2	52	WSW.	SW. & SSW.	0.5	0.0	0.00	2	
FRIDAY	8	29.496	65.0	41.3	23.7	51.9	41.9	117.5	37.2	45.4	44.4	10.0	22.0	3.5	+ 6.5	69	SSW.	SSW.	4.2	0.0	0.00	4			
SATURDAY	9	29.357	58.7	42.5	16.2	46.9	41.6	102.3	36.8	45.6	44.5	5.3	14.6	0.0	+ 1.6	82	SSW.	SSW. & SW.	5.7	0.0	0.07	7			
MEANS		29.901	60.1	33.7	26.4	45.5	36.2	113.2	27.3	(6 days) 44.0	(6 days) 42.8	9.3	20.5	1.7	+ 0.2	71	E. & SSW.		..	..	Sum 1465	3.4	
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's first glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the 159 feet of the barometer; the dry bulb thermometer observed at these times; the wet thermometer observed at these times; the daily values by the application of corrections deduced by James Glaisher F.R.S., from five years' observations ending 1865 December 31—See *Phil. Trans.* part 1, 1868. The daily wet bulb thermometers by Glaisher's Hygrometrical Tables. Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7 include the observations of the dry thermometer read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863 December 31.

*In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 30.16 in. at the beginning of the week to 30.38 in. by 9h. A.M. on the 4th; decreased to 29.31 in. by noon on the 9th; and was 29.37 in. at the end of the week.

SKY AND ATMOSPHERE.

Cloudless. Occasional haze. A very fine day.

Thin clouds and fog prevailed in the morning; cloudless and very fine throughout the remainder of the day.

Cloudy and very foggy in the morning; cloudless afterwards. A very fine day. Faint aurora observed between 8h. P.M. and 9h. P.M.; also seen at Norwich and Bristol.

Fog prevailed in the morning. The sky was cloudless throughout the day. Very fine.

A fine day. Light clouds and haze were prevalent. Lunar halo at night.

A fine day. Light clouds prevailed. Solar halo seen occasionally.

Generally cloudy till evening, afterwards cloudless. Rain fell heavily between 1h. P.M. and 3h. P.M.

ELECTRICITY.

DATE.		APRIL.	
SUNDAY	3		
MONDAY	4		
TUESDAY	5		
WEDNESDAY	6		
THURSDAY	7		
FRIDAY	8		
SATURDAY	9		

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 15. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, APRIL 16. [Price 1d.

*General Register Office, Somerset House,
18th April 1870.*

DURING the week ending Saturday the 16th instant, 4764 *births* and 3367 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 24 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the preceding four weeks was 26 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 24 per 1000, Portsmouth 25, Norwich 23, Bristol 27, Wolverhampton 34, Birmingham 20, Leicester 25, Nottingham 19, Liverpool 26, Manchester 26, Salford 25, Bradford 25, Leeds 26, Sheffield 26, Hull 20, Sunderland 20, and Newcastle-upon-Tyne 13.

In Edinburgh the deaths registered last week were at the annual rate of 20 per 1000 persons living, in Glasgow 30 per 1000, and in Dublin 26.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 33 per 1000 persons living. Small-pox has caused 1135 deaths in Paris during the last fifteen weeks, the mortality from that disease being at the rate of 21 deaths annually to every 10,000 of the population; in London the fatal cases of small-pox during the same period have been 109, and the annual mortality 1 in 10,000 living. There is no law in France rendering vaccination compulsory.

In Berlin the deaths recorded during the seven days ending 14th instant gave an annual rate of 36 per 1000, and in Vienna during the week ending 9th instant a rate of 34 per 1000.

In the city of Bombay the deaths during the week ending the 22d ultimo were 238, and the mortality was at the annual rate of 18 per 1000; in the corresponding week of five previous years the deaths averaged 436, the equivalent annual rate of mortality being 28 per 1000. Small-pox caused 68 deaths in the first twelve weeks of the present year, against 532 deaths from that disease recorded in the same time last year. The progress of sanitary improvement in India—the source of the great cholera epidemics—is watched with extreme interest in England, and it is with much satisfaction that the Registrar General is now able to publish every week returns for Bombay, to be followed, he hopes, ere long, by similar returns for Madras and Calcutta. The Weekly Return will thus cover an extensive area, and will throw light on various changes in the health of the great cities of the Empire.

In LONDON the *births* of 1076 boys and 1022 girls, in all 2098 children, were registered last week. The *deaths* registered in the same time were 1475. During the corresponding weeks of ten previous years the registered births averaged 2041 and the deaths 1433 per week; after making due allowance for increase of population, the average for the past week is estimated at 2245 births and 1576 deaths; the registered births, therefore, were 147 and the deaths 101 below the estimated average. The falling off in births and deaths observable in the last week's return is probably due in some measure to the intervention of Good Friday.

Of infants in their first year 299, and of persons aged 60 years and upwards 336, died last week. The deaths under 5 years of age were 591, at the ages 5 to 20 years they were 86, at 20 to 40 years 196, at 40 to 60 years 261, at 60 to 80 years 280, and 61 at 80 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 23, in the Northern group of 25, in the Central group of 27, in the Eastern group of 23, and in the Southern group of 23 per 1000 persons living.

Zymotic diseases caused 271 deaths, including 2 from small-pox, 28 from measles, 70 from scarlet fever, 9 from diphtheria, 13 from croup, 55 from whooping-cough, 6 from typhus, 16 from enteric (or typhoid) fever, 8 from simple continued fever, 10 from erysipelas, 18 from diarrhoea, and 5 from syphilis.

Phthisis caused 200 deaths, bronchitis 196, pneumonia 66, heart disease 65. Sixty-five persons died of old age, one of them, a female, said to be "about 100 years" old. A gardener, aged 40 years, died at Hammersmith from "cold and insufficient nourishment and comforts," and a coachman's wife, aged 70 years, was found dead at Camberwell from "excessive drinking ardent spirits and beer." The deaths by violence numbered 41, of which 32 were the result of accident, 2 of homicide, and 5 of suicide.

In the Public Institutions of the Metropolis 271 deaths were registered; of these 162 occurred in Workhouses, 3 in Military and Naval Asylums, 76 in General Hospitals, 8 in Hospitals for special diseases, 5 in Lying-in Hospitals, 7 in Military and Naval Hospitals, 5 in Hospitals and Asylums for Foreigners, and 5 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean height of the *barometer* 30·048 in.; the highest barometrical reading was 30·33 in. on Saturday, and the lowest was 29·37 in. at the beginning of the week. The mean temperature of the *air* was 50·1°, or 5·0° above the mean temperature of the corresponding week in 50 years (1813–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 65·2° on Thursday and Saturday; the lowest night temperature was 37·0° on Tuesday; the entire range of temperature in the week was, therefore, 28·2°. The highest temperature in the sun was 121·7° on Tuesday. The mean temperature of the *water* of the Thames at Greenwich was 45·3°; the highest temperature was 46·4°, and the lowest 44·2°. The difference between the mean *dew-point* temperature and *air* temperature was 9·2°. The mean degree of *humidity* of the air was 71, complete saturation being represented by 100. *Rain* fell during the week to the amount of ·07 in. The general direction of the *wind* was W.S.W.; and the horizontal movement of the air amounted to 10·6 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 46·4° in Salford, to 49·1° in Portsmouth; the lowest recorded night temperature was 32·5° in Leicester, and the highest day temperature in the shade was 70·8° in Sheffield.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 164,857 cubic metres, and at Barking 155,329 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FIFTEENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1866	2004	1894	2180	1972	1973	2188	2105	2066	2157	2040·5	2098
Males . .	932	1012	964	1131	1039	1036	1090	1048	1074	1072	1039·8	1076
Females .	934	992	930	1049	933	937	1098	1057	992	1085	1000·7	1022
TOTAL Deaths	1407	1209	1252	1610	1523	1533	1552	1372	1274	1595	1432·7	1475
Males . .	793	603	655	793	777	800	819	750	698	817	739·0	735
Females .	669	606	597	817	746	733	733	622	636	778	693·7	740

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Jan. 22.	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.	Apr. 2.	Apr. 9.	Apr. 16.
TOTAL Deaths - - -	1652	1613	1828	1568	1716	1861	1673	1499	1532	1478	1625	1631	1475*
Deaths under 5 years of age -	668	634	681	616	687	713	640	547	613	577	665	626	591
Deaths 5—20 - - -	109	125	134	117	123	120	116	93	101	104	120	111	86
Deaths 20—40 - - -	213	220	222	188	225	214	218	221	218	217	214	213	196
Deaths 40—60 - - -	254	255	332	279	398	313	286	280	259	241	281	292	261
Deaths 60—80 - - -	321	312	380	310	311	412	341	304	272	271	269	311	280
Deaths at 80 years & upwards	87	67	79	58	72	89	72	54	69	68	76	78	61
Deaths from Small-pox -	8	5	11	4	10	11	8	6	3	5	8	8	2
" " Measles - -	41	28	28	23	17	18	21	17	20	19	30	34	28
" " Scarlet Fever -	143	118	107	103	104	111	78	69	81	56	78	71	70
" " Diphtheria -	8	7	5	3	8	5	8	6	4	5	2	3	9
" " Whooping-cough	55	67	79	65	61	79	58	49	65	53	68	61	55
" " Typhus fever -	12	7	14	6	9	8	6	4	8	10	6	6	6
" " Enteric (or Typhoid) fever -	12	17	9	22	21	11	14	19	8	16	11	18	16
" " Simple Contag. fever -	15	11	12	5	9	13	15	10	13	10	12	14	8
" " Diarrhoea - -	15	8	17	11	20	15	16	14	11	9	13	16	18
" " Phthisis - -	175	180	198	170	191	226	171	209	193	184	202	198	200
" " Bronchitis - -	242	277	316	265	335	323	305	232	212	221	231	259	196
" " Pneumonia - -	87	81	114	74	109	90	89	98	86	93	107	107	66
" " Heart Disease -	64	84	91	66	76	77	76	54	74	65	76	69	65
Mean Temperature of the Air	36·1	31·6	42·0	32·4	30·7	36·9	45·8	38·4	41·0	38·1	37·2	45·5	50·1
Mean Temperature of the Water of the Thames	39·1	37·7	39·9	37·8	31·5	33·2	40·2	39·6	42·3	43·4	39·4	43·4	45·3
Humidity of the Air - -	82	82	87	72	74	75	85	81	82	83	80	71	71
Rain-fall in inches - -	0·05	0·00	0·25	0·25	0·05	0·05	1·22	0·02	0·44	0·37	0·00	0·07	0·07

* The returns for the sub-districts of Christchurch (St. Saviour Southwark) and Peckham (Camberwell) were not received when the tables were under preparation, but averages of 8 and 13 are substituted for the true numbers, which are respectively 10 and 16.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S. :—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cunn-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thurstans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 16th day of April 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS -registered during the Week ending 16th April.	DEATHS registered during the Week ending 16th April.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- meters.
Total of 20 TOWNS in the UNITED Kingdom - - -	213,281	7,216,325	33·8	4764	3367	70·8	32·5	48·0	8·89	0·27	0·69
LONDON - - -	77,997	3,214,707	41·2	2098	1475	65·2	37·0	50·1	10·06	0·07	0·18
PORTSMOUTH - - -	9,513	122,084	12·8	85	59	70·4	33·6	49·1	9·50	0·00	0·00
NORWICH - - -	7,472	81,087	10·9	62	35	67·5	35·5	47·6	8·67	0·43	1·10
BRISTOL - - -	4,688	171,382	36·6	132	88	65·7	37·7	48·1	8·95	0·08	0·21
WOLVERHAMPTON - -	3,887	72,990	21·5	49	47	67·1	36·7	47·6	8·67	0·44	1·13
BIRMINGHAM - - -	7,831	369,604	47·2	241	144	68·1	38·2	48·7	9·28	0·48	1·28
LEICESTER - - -	3,200	97,427	30·4	75	47	69·5	32·5	47·3	8·50	0·17	0·44
NOTTINGHAM - - -	1,996	88,888	44·5	52	32	63·2	35·9	47·1	8·39	0·39	0·99
LIVERPOOL - - -	5,108	517,567	101·3	399	256	59·8	33·0	46·7	8·17	0·23	0·58
MANCHESTER - - -	4,486	374,993	83·6	229	184	67·0	38·0	47·8	8·78	0·49	1·28
SALFORD - - -	5,172	121,580	23·5	97	58	65·5	37·9	46·4	8·00	0·46	1·18
BRADFORD - - -	6,590	143,197	21·7	96	69	59·8	37·2	47·0	8·33	0·22	0·56
LEEDS - - -	21,572	259,527	12·0	118	130	63·0	38·0	48·0	8·89	0·27	0·68
SHEFFIELD - - -	22,830	247,378	10·8	185	123	70·8	38·0	48·5	9·17	0·01	0·08
HULL - - -	3,562	130,869	36·7	76	50	—	—	—	—	—	—
SUNDERLAND - - -	3,306	100,979	30·5	73	39	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	90	34	60·0	37·0	47·1	8·39	0·45	1·18
EDINBURGH - - -	4,427	178,970	40·4	127	69	62·7	42·0	50·5	10·28	0·00	0·00
GLASGOW - - -	5,063	468,189	92·5	382	269	57·6	35·5	47·5	8·61	0·31	0·79
DUBLIN - - -	9,745	321,540	33·0	158	159	63·9	34·0	49·7	9·83	0·30	0·76
PARIS - - -	7,802	1,889,842	242	—	1196	—	—	—	—	—	—
				Week ending 9 Apr. 1870.	Week ending 9 Apr. 1870.	Week ending 9th April 1870.					
VIENNA - - -	3,728*	622,087	167	—	410	—	—	44·6	7·00	—	—
				Week ending 14 Apr. 1870.	Week ending 14 Apr. 1870.	Week ending 14th April 1870.					
BERLIN - - -	6,253	702,437	112	439	492	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 16th day of April 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Houses.
LONDON - - -	24	1475	299	336	2	28	70	9	55	30	18	41	79	271
PORTSMOUTH - - -	25	59	14	14	—	—	3	—	—	—	12	3	3	8
NORWICH - - -	23	35	12	15	—	—	1	—	—	—	—	2	3	3
BRISTOL - - -	27	88	20	16	—	3	7	—	2	—	—	1	3	6
WOLVERHAMPTON - -	34	47	19	7	—	—	—	1	2	2	—	3	5	7
BIRMINGHAM - - -	20	144	38	38	—	2	2	1	6	5	—	7	15	22
LEICESTER - - -	25	47	19	9	—	—	—	—	1	1	—	—	2	5
NOTTINGHAM - - -	19	32	8	9	—	—	1	—	—	—	—	1	4	4
LIVERPOOL - - -	26	256	71	56	—	4	19	—	4	9	5	8	10	40
MANCHESTER - - -	26	184	50	33	—	1	6	1	7	8	—	3	14	26
SALFORD - - -	25	58	12	11	2	—	1	—	—	3	1	2	4	8
BRADFORD - - -	25	69	22	8	—	5	7	2	2	3	—	2	—	3
LEEDS - - -	26	130	38	19	—	—	10	—	6	2	2	2	4	13
SHEFFIELD - - -	26	123	24	23	—	—	13	1	2	6	2	2	4	17
HULL - - -	20	50	12	11	—	—	4	—	4	1	1	2	2	6
SUNDERLAND - - -	20	39	11	6	—	—	—	—	—	1	—	—	2	2
NEWCASTLE-ON-TYNE	13	34	9	6	—	—	—	—	2	1	—	—	—	—
DUBLIN - - -	26	159	17	38	—	1	15	—	2	6	3	1	2	52

TABLE 5.—DEATHS in LONDON Registered in the FIFTEENTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Fifteenth Week in the 10 years 1860-69.	In the Week ending Saturday, April 16, 1870.								CAUSES OF DEATH.		Averages of the Fifteenth Week in the 10 years 1860-69.	In the Week ending Saturday, April 16, 1870.							
			Deaths of Persons of the Ages											Deaths of Persons of the Ages							
			ALL AGES.	Under 20.		40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.	Under 20.				40 and under 60.	60 and under 80.	80 Years and upwards.					
				Mean Tem.	0-5.					5-20.							Mean Tem.	0-5.	5-20.		
Mean Temperature		47.5	50.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature		47.5	50.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES		1432.7	1475.7	576	85	194	258	276	60	9. Stricture of Intestines		8	1	-	-	-	1	-	-		
SPECIFIED CAUSES		1420.3	1446	574	85	194	258	275	60	10. Fistula		5	-	-	-	-	-	-	-		
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		6.4	6	-	-	-	12	4	-		
ORDER 1.										12. Pancreas Disease, &c.		3.7	3	-	-	1	1	1	-		
Small-pox		22.3	2	2	-	-	-	-	-	13. Hepatitis		3.8	3	1	-	-	-	-	-		
Measles		34.8	23	23	-	-	-	-	-	14. Jaundice		3.8	3	1	1	5	6	-	-		
Scarlet Fever (Scarlatina)		38.6	70	49	17	1	3	-	-	15. Liver Disease, &c.		15.9	15	1	1	5	6	-	-		
Diphtheria		10.5	9	6	2	1	-	-	-	16. Splen Disease, &c.		3	-	-	-	-	-	-	-		
Quincy		1.1	-	-	-	-	-	-	-	ORDER 5.											
Whooping-cough		71.9	55	53	2	-	-	-	-	1. Nephritis		8	2	1	1	-	-	-	-		
Typhus		-	6	2	-	4	-	-	-	2. Ischuria		-	-	-	-	-	-	-	-		
Enteric or Typhoid Fever		51.4	16	4	6	3	2	1	-	3. Bright's Disease (Nephria)		8.6	7	-	-	3	3	1	-		
Simple continued Fever		-	10	5	1	2	4	2	-	4. Diabetes		2.0	1	-	-	1	-	-	-		
Erysipelas		6.6	10	2	1	2	4	1	-	5. Calculus (Stone)		5	-	-	-	-	-	-	-		
Puerperal Fever (Metria)		2.5	3	-	-	3	4	1	-	6. Cystitis		1.4	1	-	-	1	-	-	-		
Carbuncle		9	-	-	-	-	-	-	-	7. Kidney Disease, &c.		7.6	7	-	-	2	1	3	1		
Influenza		9	-	-	-	-	-	-	-	ORDER 6.											
Dysentery		1.1	2	-	-	1	1	-	-	1. Ovarian Dropsy		1.1	-	-	-	-	-	-	-		
Diarrhoea		14.2	18	15	1	-	-	2	-	2. Uterus Disease, &c.		8.4	6	-	-	2	2	2	-		
Simple Cholera		3	-	-	-	-	-	1	-	ORDER 7.											
Remittent Fever		1.6	-	-	-	-	-	-	-	1. Synovitis (Arthritis)		1	-	-	-	-	-	-	-		
Rheumatism		7.9	6	-	1	1	2	2	-	2. Joint Disease, &c.		5.6	7	1	1	2	2	1	-		
Other Zymotic Diseases		-	1	1	-	-	-	-	-	ORDER 8.											
ORDER 2.										1. Phlegmon		2.9	2	1	1	-	-	-	-		
Syphilis		6.3	5	3	-	1	1	-	-	2. Ulcer		1.3	1	-	-	1	-	-	-		
Stricture of Urethra		9	-	-	-	1	-	-	-	3. Skin Disease, &c.		2.0	1	1	-	-	-	-	-		
Hydrophobia		-	-	-	-	-	-	-	-	IV. DEVELOPMENTAL DISEASES.											
Glanders		-	-	-	-	-	-	-	-	ORDER 1.											
ORDER 3.										1. Premature Birth		17.6	17	17	-	-	-	-	-		
Privation		1.1	1	-	-	-	1	-	-	2. Cyanosis		1.7	-	-	-	-	-	-	-		
Want of Breast-milk		7.9	7	7	-	-	-	-	-	3. Spina Bifida		1.2	1	1	-	-	-	-	-		
Furuncle and Scoury		2.0	2	2	-	-	-	-	-	4. Other Malformations		2.2	2	1	1	-	-	-	-		
Alco-) a Del. Tremens		1.6	2	-	-	2	-	-	-	5. Teething		19.7	20	20	-	-	-	-	-		
ism) b Intemperance		1.3	1	-	-	-	1	-	-	ORDER 2.											
ORDER 4.										1. Paramenia		2	-	-	-	-	-	-	-		
Thrush		2.5	4	4	-	-	-	-	-	2. Childbirth (see Puer-)		5.1	6	-	-	5	1	-	-		
Worms, &c.		4	-	-	-	-	-	-	-	peral Fever) -		-	-	-	-	-	-	-	-		
CONSTITUTIONAL DIS.										ORDER 3.											
ORDER 1.										1. Old Age		52.7	65	-	-	-	-	34	31		
Gout		1.9	1	-	-	-	1	-	-	ORDER 4.											
Dropsy		14.9	17	2	1	4	4	5	1	1. Atrophy and Debility		59.5	46	43	-	-	1	2	-		
Cancer		24.9	32	-	-	5	16	11	-	V. VIOLENT DEATHS, &c.											
Cancerum Oris (Noma)		5	-	-	-	-	-	-	-	ORDER 1.											
Mortification		4.5	7	-	-	-	-	4	3	(ACCIDENT OR NEGLIGENCE.)											
ORDER 2.										1. Fractures and Contusions		15.2	12	-	3	2	4	2	1		
Scrophula		9.8	4	1	2	1	-	-	-	2. Wounds		1.0	-	-	-	-	-	-	-		
Tuberc Mesenterica		17.9	20	18	1	-	-	1	-	3. Burns and Scalds		5.7	6	4	-	-	1	1	-		
Hydrops		178.8	200	9	14	93	71	13	-	4. Poison		5	2	-	1	-	-	-	-		
Hydrocephalus		35.9	54	50	4	-	-	-	-	5. Drowning		6.4	3	-	-	2	-	1	-		
LOCAL DISEASES.										6. Suffocation		6.3	8	7	-	-	-	1	-		
ORDER 1.										7. Otherwise		1.6	1	1	-	-	-	-	-		
Cephalitis		15.7	8	5	-	-	1	1	1	ORDER 3.											
Apoplexy		30.0	36	1	-	4	14	14	3	(HOMICIDE.)											
Paralysis		30.3	45	1	1	4	14	21	4	1. Murder and Manslaughter		2.9	2	2	-	-	-	-	-		
Insanity		2.3	1	-	-	-	1	-	-	ORDER 4.											
Chorea		-	-	-	-	-	-	-	-	(SUICIDE.)											
Epilepsy		6.4	9	1	1	2	4	1	-	1. Wounds { Gunshot		2	1	-	-	-	1	1	-		
Convulsions		58.3	54	54	-	-	-	-	-	2. Cut, Stab		1.3	2	-	-	-	-	-	-		
Brain Disease, &c.		20.5	18	3	2	3	7	3	-	3. Poison		1.4	-	-	-	-	-	-	-		
ORDER 2.										4. Hanging		3.7	2	-	-	-	-	2	-		
Pericarditis		2.5	2	-	-	2	-	-	-	5. Otherwise		3	-	-	-	-	-	-	-		
Aneurism		2.8	2	-	-	2	-	-	-	ORDER 5.											
Heart Disease, &c.		62.2	65	-	1	9	19	34	2	(EXECUTION.)											
ORDER 3.										1. Hanging		-	-	-	-	-	-	-	-		
Laryngitis		11.3	11	10	1	-	-	-	-	Violent Deaths (not classed)		1	2	-	-	1	-	1	-		
Bronchitis		165.4	196	70	5	7	31	71	12	Sudden Deaths (Cause un-)		2.8	2	2	-	-	-	-	-		
Pleurisy		4.6	2	-	1	1	-	-	-	ascertained)		9.6	27	-	-	-	-	1	-		
Pneumonia		91.3	66	39	5	4	11	7	-	Causes not specified or ill-)		-	-	-	-	-	-	-	-		
Asthma		11.4	15	-	-	6	9	-	-	defined		-	-	-	-	-	-	-	-		
Lung Disease, &c.		12.5	25	6	3	4	6	5	1												
ORDER 4.																					
Gastritis		1.1	2	-	1	1	-	-	-												
Enteritis		5.3	3	2	-	1	2	-	-												
Peritonitis		5.1	6	1	-	-	-	-	-												
Ascites		2.1	3	1	-	-	1	1	-												
Ulceration of Intestines		1.8	2	-	1	-	1	-	-												
Hernia		3.5	4	-	-	1	1	2	-												
Hicus		2.8	2	1	-	-	1	-	-												
Intussusception		9	2	1	-	-	1	-	-												

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

† Averages amounting to 26 are added without distinction of ages. See note *, page 123.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
LONDON		2,803,989	2098	1475	299	336	2	28	70	9	55	6	16	8	18	41	79	271	
WEST DISTRICTS		458,125	312	242	60	53	-	8	10	1	8	2	2	1	1	5	13	52	
NORTH DISTRICTS		618,310	438	354	60	92	-	3	23	5	15	2	6	-	6	7	18	65	
CENTRAL DISTRICTS		383,321	195	182	33	30	-	4	6	1	5	-	1	1	4	11	15	36	
EAST DISTRICTS		571,158	458	282	58	64	2	4	8	-	9	2	1	2	3	6	14	54	
SOUTH DISTRICTS		773,175	675	415	88	97	-	9	23	2	18	-	6	4	4	12	10	64	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	34	32	12	5	-	1	22	-	1	-	-	-	1	2	3	4	
St. John Paddington H		39769	13	14	1	2	-	-	1	1	1	-	1	-	-	1	2	5	
Kensington Town W		51918	51	38	9	6	-	3	2	-	3	-	-	-	-	-	-	1	
Brompton H		18198	8	10	2	1	-	1	1	1	1	-	-	1	-	-	-	1	
St. Peter Hammersmith		5415	4	2	1	-	-	-	1	1	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	26	10	3	3	-	-	-	-	-	-	-	-	-	-	-	-	
Fulham W		15539	14	14	6	4	-	-	-	-	-	-	-	-	-	-	-	2	
Chelsea South H		21654	10	10	1	6	-	-	-	-	-	-	-	-	-	-	1	3	
Chelsea North-west HW		19899	22	8	2	1	-	-	1	-	-	-	-	-	-	1	1	1	
Chelsea North-east		21886	8	12	4	2	-	-	-	-	1	1	-	-	-	-	-	-	
Hanover Square		19773	10	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W		12885	6	7	-	3	-	-	-	-	1	-	-	-	-	-	-	3	
Belgrave H		55113	33	21	2	4	-	-	1	-	-	-	1	-	-	1	2	7	
St. John Westminster		37483	26	15	6	1	-	-	-	-	-	-	-	-	-	-	2	-	
St. Margaret Westminster WH		30730	23	34	9	3	-	3	2	-	2	1	-	-	-	-	-	21	
St. James's Square		10753	3	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
Golden Square W		13966	8	10	-	8	-	-	-	-	-	-	-	-	-	-	-	6	
Berwick-street		10607	5	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17426	8	9	1	3	-	-	1	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	18	35	4	5	-	-	3	-	1	-	-	-	2	2	2	8	
Cavendish Square		15090	4	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W		26692	21	24	1	12	-	-	-	1	-	-	-	-	-	-	-	16	
St. Mary Marylebone H		22493	18	6	2	-	-	-	-	-	1	-	-	-	-	-	-	1	
Christchurch Marylebone		34913	19	26	5	4	-	-	3	-	1	-	-	-	1	1	2	1	
St. John Marylebone		32540	20	12	1	6	-	-	-	-	-	-	-	-	-	-	-	-	
Hampstead WH		19106	14	12	1	3	-	-	3	-	1	-	1	-	1	-	-	1	
Regent's Park Pancras		34927	18	23	5	1	-	-	-	-	3	-	-	-	-	1	3	-	
Tottenham-court WH		29371	17	22	1	10	-	-	-	-	-	-	-	-	-	2	3	8	
Gray's Inn Lane H		27808	12	12	5	2	-	1	-	-	-	-	-	-	-	-	1	-	
Somers Town		39099	29	14	2	5	-	1	4	-	1	-	-	-	-	-	-	-	
Camden Town W		23266	11	13	2	5	-	1	3	-	1	-	-	-	-	1	3	5	
Kentish Town		44317	37	29	6	6	-	1	-	-	2	1	2	-	-	-	-	-	
Islington West* WHH		75442	67	49	9	9	-	-	2	3	2	-	2	-	-	-	-	16	
Islington East Ww		79899	90	34	10	7	-	-	2	1	1	-	-	-	-	-	3	-	
Stoke Newington		6608	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill		5483	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	13	6	3	2	-	-	-	-	-	-	-	-	-	-	-	-	
Hackney WHw		31481	23	21	1	11	-	-	-	-	-	1	1	-	-	1	11	-	
South Hackney L		15468	18	9	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	8	11	6	2	-	-	-	-	-	-	-	-	1	2	2	-	
St. Giles South WH		19483	15	14	3	2	-	-	1	-	1	-	-	-	1	2	2	7	
St. Giles North		17201	7	9	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
Long Acre		11618	5	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH		11071	2	4	-	1	-	-	1	-	1	-	-	-	-	1	1	1	
St. Mary-le-Strand		10346	7	6	-	1	-	-	1	-	-	-	1	-	-	-	-	-	
St. Clement Danes H		12607	3	8	2	-	-	-	-	-	-	-	-	-	-	-	-	2	
St. George-the-Martyr H		19903	17	8	3	-	-	-	-	-	-	-	-	-	-	-	1	-	
St. Andrew East Holborn W		12947	8	16	1	2	-	-	-	-	1	-	-	-	1	-	4	-	
Saffron Hill		12012	7	5	1	2	-	-	-	-	1	-	-	-	-	-	-	-	
St. James Clerkenwell W		19152	9	8	2	1	-	1	1	1	1	-	-	-	-	-	-	-	
Amwell Clerkenwell		17250	13	4	1	1	-	1	1	-	-	-	-	-	-	-	-	-	
Pentonville		13079	9	5	2	1	-	-	1	-	-	-	-	-	-	-	-	-	
Goswell-street		16200	8	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
Old-street		11504	4	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
City-road HL		17860	23	11	3	2	-	-	-	-	-	-	-	-	-	1	1	4	
Whitecross-street		14778	14	7	-	1	-	-	-	-	-	-	-	-	-	-	2	-	
Finsbury		12931	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph East London		20990	7	6	1	1	-	-	1	-	-	-	-	-	-	1	1	-	
Cripplegate		19637	6	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH		11750	5	23	1	3	-	-	-	-	-	-	-	-	-	2	2	18	
St. Bride W		15395	4	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9020	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	4	7	1	-	-	-	-	-	-	-	-	-	-	1	3	-	
Albion Barking		8659	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	3	3	-	1	-	-	-	-	-	-	-	-	1	1	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Public Officials of Institutions are not included.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 arday, 16th April 1870.

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Burials during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																		
Swell Shoreditch	-	17313	7	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch L†	-	19188	11	8	1	2	-	-	-	-	-	-	-	-	-	-	-	-
ton New Town W	-	26516	27	8	2	3	-	-	-	-	-	-	-	-	-	-	-	-
ton Old Town -	-	25777	20	9	1	3	-	-	1	-	-	-	-	-	-	-	-	-
gerstone West W	-	22360	22	13	2	3	-	-	-	-	1	-	-	-	-	-	-	6
gerstone East -	-	17310	19	10	3	2	-	1	-	-	-	-	-	-	-	-	-	-
ney-road	-	26293	25	7	2	2	-	-	-	-	1	-	-	-	1	-	-	-
en, Bethnal Green WHL†	-	31789	46	32	3	6	-	-	2	-	1	-	-	-	1	2	7	12
rch, Bethnal Green	-	25528	17	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
n, Bethnal Green	-	21486	14	9	2	1	-	-	-	-	-	-	-	-	1	-	-	-
Mary Whitechapel	-	6557	3	2	2	-	-	-	-	-	-	-	-	-	-	-	1	-
allfields	-	15700	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
End New Town W	-	15392	18	11	4	3	-	-	-	-	-	-	-	-	-	-	1	-
techapel North	-	12122	4	2	-	2	-	-	-	-	-	1	-	-	-	1	1	8
techapel Church H	-	8962	7	8	-	-	-	-	-	-	-	-	-	-	-	2	-	7
nnan's Fields	-	11166	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
gate -	-	9071	3	6	1	-	-	-	-	-	1	-	-	1	-	-	1	-
Mary St. George East	-	18181	16	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Paul St. George East	-	21015	11	5	-	2	-	-	-	-	1	-	-	-	-	-	-	-
John St. George East W	-	9995	5	6	-	3	-	-	1	-	1	-	-	-	-	1	1	3
llwell W	-	12637	6	7	2	2	-	-	-	-	-	-	-	-	-	-	1	1
cliff WH	-	16874	7	12	5	-	1	-	-	-	1	-	-	-	-	-	1	2
ehouse W	-	27161	22	8	3	1	-	1	-	-	-	-	-	-	-	-	-	-
End Old Town West	-	33747	28	17	2	6	1	-	-	-	-	-	1	-	-	-	-	-
End Old Town East Wto	-	33817	37	17	4	9	-	-	-	-	-	-	-	-	-	-	-	4
WtoL†	-	35667	46	41	8	8	-	1	2	-	2	-	-	-	-	-	-	7
ar W	-	43529	28	23	4	6	-	1	2	-	1	-	-	-	-	-	-	3
SOUTH DISTRICTS.																		
stchurch Southwark W†	-	17069	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Saviour Southwark H	-	19191	9	8	1	2	-	-	-	-	-	-	-	-	-	-	-	-
t-road	-	19652	13	6	1	1	-	-	-	-	1	-	-	-	-	-	-	-
ugh-road W	-	16638	13	12	4	4	-	-	-	-	-	-	-	-	-	-	-	-
lon-road L	-	19190	19	8	3	2	-	-	-	-	-	-	1	-	-	1	1	7
ity Newington	-	22675	13	9	1	4	-	-	1	-	1	-	1	-	-	-	-	-
Peter Walworth W	-	44463	42	17	8	1	-	-	2	-	1	-	-	-	-	1	1	-
Mary Newington H	-	15982	9	5	1	1	-	-	-	-	-	-	-	-	-	-	-	1
Olave Southwark H	-	7663	-	12	-	2	-	-	1	-	-	-	-	-	-	1	1	12
John Horsleydown W	-	11393	5	6	1	2	-	-	-	-	-	-	-	-	-	-	1	-
ber Market	-	16696	7	8	3	3	-	-	-	-	2	-	-	-	1	1	-	-
Mary Magdalen W	-	16595	13	10	1	3	-	-	1	-	2	-	-	-	-	-	-	2
James Bermondsey	-	25154	46	17	3	1	-	-	3	-	-	-	-	-	-	-	1	-
erhithe W	-	24502	13	12	2	5	-	-	1	-	-	-	-	-	-	-	-	1
erloo-road 1st	-	15269	12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
erloo-road 2nd H	-	18640	16	5	-	2	-	-	1	-	-	-	-	-	-	-	-	-
beth Church 1st	-	19839	20	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-
beth Church 2nd W	-	23542	37	24	6	8	-	-	-	-	-	-	-	-	-	-	-	-
ington 1st	-	30785	29	14	-	5	-	-	2	-	1	-	-	-	-	1	2	7
ington 2nd	-	20440	27	7	-	4	-	-	-	-	-	-	1	-	-	1	1	-
ton	-	20667	19	16	8	2	-	-	-	-	2	-	1	1	1	-	-	-
wood W	-	7462	8	6	-	2	-	-	-	-	-	-	1	-	-	-	-	-
ham	-	20894	18	11	1	3	-	1	1	-	-	-	-	-	-	-	-	-
ersea W	-	19300	41	27	6	6	-	-	-	-	-	-	-	1	-	-	-	-
adsworth L	-	18346	17	6	2	1	-	-	1	-	1	-	-	-	-	1	1	4
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rich	-	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
berwell WtoL†	-	21337	10	16	5	5	-	-	1	1	1	-	-	-	-	-	-	-
ham W S	-	28135	25	18	-	-	-	-	-	-	-	-	-	-	-	1	3	-
George Camberwell	-	20333	28	9	3	2	-	-	1	-	-	-	-	-	-	-	-	-
Paul Deptford	-	37834	32	17	4	5	-	3	2	-	-	-	-	-	-	-	2	-
Nicholas Deptford†	-	8139	7	5	-	1	-	-	-	-	-	-	1	-	-	-	-	-
enwich West H	-	21698	12	10	2	2	-	-	-	-	1	-	-	-	-	-	-	-
enwich East WH	-	18306	13	12	1	6	-	-	-	-	-	-	1	-	-	2	1	2
am	-	3009	5	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
isham Village W	-	11093	9	9	4	2	-	-	1	-	3	-	-	-	-	-	-	-
enham	-	7372	8	6	4	-	-	-	-	-	-	-	-	-	-	-	-	1
	-	10595	24	5	2	2	-	-	-	-	-	-	-	-	1	1	1	-
lton H	-	9276	6	12	3	1	-	-	2	-	-	-	-	-	-	-	-	5
twich Dockyard H	-	22919	9	8	1	-	-	1	1	-	-	-	1	1	-	-	1	-
twich Arsenal H	-	18776	8	12	1	3	-	1	1	-	-	-	1	1	-	-	1	-
instead West	-		5	5	-	-	-	-	-	-	-	-	-	1	-	-	1	-
instead East	-	24502	5	3	2	-	-	1	-	-	1	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
 The Strand - - - " " Tottenham-court sub-district.
 London City - - - " " Islington East.
 Do. do. - - - " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.
 London City " " Mile End Old Town Eastern sub-dist. and
 Stepney - - - " Bow sub-district.

Unatc Asylums where paupers are admitted.

The return for the sub-district of Christchurch contains the deaths of 6 persons aged 60 years and upwards, and 9 deaths in Public Institutions.
 The return for the sub-district of Peckham contains the deaths of 3 children under one year of age, and 3 of persons aged 60 years and upwards.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 16th APRIL 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		HAU- METER.		READINGS OF THERMOMETERS.							DIFFERENCE				Degree of Hu- midity, complete Saturation being repre- sented on an average of 50 years.*		WIND.				RAIN.	
Phases of Moon.		Mean daily reading (cor- rected and re- duced to 32° Fahr. heht).		Dry.		Dew Point.		Highest in the sun, as shown by a self-regis- tering Thermo- meter.		Lowest on the Grass, as shown by a self-regis- tering Thermo- meter.		In the Water of the Thames at Greenwich, by self-registering Thermometers.		Between Dew Point Temperature and Air Temperature.		As deduced from Anemometers.		Collected in a Gauge whose re- ceiving surface is 5 in. above the ground.				
		High- est.	Low- est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.		
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NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's first glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer observed at these times are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1838, December 31.

* In reading the 17th column it will be borne in mind that it is read "higher," and "lower," at the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29-37 in. at the beginning of the week to 30-03 in. by 9h. A.M. on the 12th; decreased to 29-98 in. by 3h. P.M. on the same day; increased to 30-33 in. by 9h. A.M. on the 16th; and was 30-29 in. at the end of the week.

SKY AND ATMOSPHERE.

A shower of rain fell in the early morning hours; fine, but generally light breeze, between 9h. P.M. and 3h. P.M. of rain and hail fell, accompanied by thunder; fine and partially cloudy throughout the remainder of the day.

Fine; partially cloudy. Haze.

A fine day; partially cloudy. Lunar halo.

Light clouds generally prevailed. A fine day. A few drops of rain occasionally fell. Lunar halo seen for a short time after 1h. P.M.

A fine day; light clouds and haze prevailed. Between 5h. P.M. and 6h. P.M. a portion of a solar halo was observed; a very fine lunar corona was seen throughout the evening, and at midnight a faint lunar halo was seen.

A fine day; light clouds and haze prevailed. Lunar corona at night.

Generally cloudless. Dense haze and slight dry fog prevailed till evening.

ELECTRICITY.

Strong positive and negative were also in the afternoon; but no lightning was shown.

No electricity was shown at any examination.

DATE.

APRIL.

SUNDAY 10

MONDAY 11

TUESDAY 12

WEDNESDAY 13

THURSDAY 14

FRIDAY 15

SATURDAY 16

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 16. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, APRIL 23. [Price 1d.

*General Register Office, Somerset House,
25th April 1870.*

DURING the week ending Saturday the 23d instant, 5428 *births* and 3483 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 25 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the preceding four weeks was 26 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 24 per 1000, Portsmouth 24, Norwich 20, Bristol 33, Wolverhampton 16, Birmingham 18, Leicester 19, Nottingham 25, Liverpool 25, Manchester 31, Salford 29, Bradford 33, Leeds 32, Sheffield 24, Hull 23, Sunderland 19, and Newcastle-upon-Tyne 23.

In Edinburgh the deaths registered last week were at the annual rate of 27 per 1000 persons living, in Glasgow 31 per 1000, and in Dublin 24.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 33 per 1000 persons living. The small-pox epidemic continues unabated in Paris, and last week caused 132 deaths, as compared with 102 and 118 in the two preceding weeks. According to the *Gazette Médicale de Paris* the disease prevails extensively in the suburban villages of Chaville, Sèvres, and Levallois, inhabited principally by the washerwomen of Paris.

In Berlin the deaths recorded during the seven days ending 21st instant gave an annual rate of 33 per 1000, and in Vienna during the week ending 16th instant a rate of 35 per 1000.

In the city of Bombay the deaths during the week ending the 29th ultimo were 288, and the mortality was at the annual rate of 18 per 1000; in the corresponding week of five previous years the annual mortality was 31 per 1000. It is to be regretted that the registration of births in this city should be permitted to remain so incomplete as that the weekly average number (excluding stillborn) reported during the present year has been only 61.

In LONDON the *births* of 1169 boys and 1148 girls, in all 2317 children, were registered last week. The *deaths* registered in the same time were 1487. During the corresponding weeks of ten previous years the registered births averaged 2079, and the deaths 1380 per week; after making due allowance for increase of population, the average for the past week is estimated at 2287 births and 1518 deaths; the registered births, therefore, were 30 above, and the deaths 31 below the estimated average. The return of births for the last fortnight has been rather below the weekly number registered in the preceding 14 weeks; the deaths show a diminution to a much greater extent than the births.

The deaths under 5 years of age were 611, at the ages 5 to 20 years they were 110, at 20 to 40 years 208, at 40 to 60 years 252, at 60 to 80 years 254, and 52 at 80 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 23, in the Northern group of 26, in the Central group of 24, in the Eastern group of 26, and in the Southern group of 22 per 1000 persons living.

Zymotic diseases caused 294 deaths, including 10 from small-pox, 32 from measles, 77 from scarlet fever, 3 from diphtheria, 12 from croup, 51 from whooping-cough,

10 from typhus, 18 from enteric (or typhoid) fever, 9 from simple continued fever, 1 from relapsing fever, 8 from erysipelas, and 17 from diarrhoea. Out of 20 deaths registered in the Hampstead district, 7 resulted from scarlet fever.

In the case of a widow, aged 50 years, who died at 72 Harrison-street, Gray's Inn Lane, on 12th April, the cause of death was stated in the coroner's information to have been "typhus fever, accelerated by overcrowding." Fifty deaths resulted from violence; of these 41 were the result of accident, including 21 fractures, 4 burnt to death, 7 drowned, and 6 (infants) suffocated. Seven suicides were recorded.

Three fatal street accidents were returned last week:—A licensed victualler's son, aged 9 years, died in the Holloway-road, Islington, of "injuries by a fall from a cart under the wheels of an omnibus;" a warehouse boy, 13 years old, was run over by a van in Church-street, Southwark, on 14th April, and died in a few minutes; and a silversmith's son, aged 15 years, was run over by a waggon in Southwark-street, on 21st April, and died in a few minutes. Street accidents of a fatal character have been comparatively fewer during the present year than usual; the total number registered during the past 16 weeks has been 47, while supposing the traffic arrangements of the streets to have remained unaltered, the experience of former years rendered it probable that 69 fatal cases would have occurred in the period.

In the Public Institutions of the Metropolis 223 deaths were registered; of these 132 occurred in Workhouses, 2 in Military and Naval Asylums, 57 in General Hospitals, 19 in Hospitals for special diseases, 4 in Lying-in Hospitals, 4 in Military and Naval Hospitals, 1 in Hospitals and Asylums for Foreigners, and 4 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 30·031 in.; the highest was 30·29 in. at the beginning of the week, and the lowest was 29·83 in. on Tuesday and Wednesday. The mean temperature of the *air* was 55·0°, or 8·4° above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 78·7° on Wednesday; the lowest night temperature was 36·2° on Tuesday; the entire range of temperature in the week was, therefore, 42·5°. The highest temperature in the sun was 135·0° on Wednesday. The difference between the mean *dew-point* temperature and *air* temperature was 13·9°. The mean degree of *humidity* of the air was 61, complete saturation being represented by 100. No rain fell during the week. The rain-fall of the last three weeks has been 0·14 in., of which half fell on the 9th, and the rest on the following day. The average fall for the month of April is 1·73 in.; and thus far the present month ranks with the exceptional Aprils of 1817, 1840, and 1855, when the fall was only 0·1 inch. The general direction of the *wind* was variable; and the horizontal movement of the air amounted to 9·7 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 47·8° in Hull, to 53·7° in Manchester; the lowest recorded night temperature was 30·0° in Hull, and the highest day temperature in the shade was 79·0° in Leicester. The average rain-fall during the week in fifteen towns amounted only to 0·04 in.; the fall during the last three weeks has been 0·48 in. No rain fell last week in Portsmouth, Wolverhampton, Birmingham, Leicester, and Nottingham.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 173,380 cubic metres, and at Barking 156,827 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the SIXTEENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1757	1961	1916	2080	2000	2134	2244	2034	2453	2208	2078·7	2317
Males . .	923	1007	955	1052	1033	1076	1161	1026	1248	1134	1061·5	1169
Females .	834	954	961	1028	967	1058	1083	1008	1205	1074	1017·2	1148
TOTAL Deaths	1284	1210	1331	1437	1384	1496	1517	1223	1539	1377	1379·8	1487
Males . .	624	639	688	746	690	739	814	643	804	692	707·9	755
Females .	660	571	643	691	694	757	703	580	735	685	671·9	732

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Jan. 29.	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.	Apr. 2.	Apr. 9.	Apr. 16.	Apr. 23.
TOTAL Deaths - - -	1613	1828	1568	1716	1861	1673	1499	1532	1478	1625	1631	1475	1487
Deaths under 5 years of age -	634	681	616	687	713	640	547	613	577	665	626	591	611
Deaths 5—20 - - -	125	134	117	123	120	116	93	101	104	120	111	86	110
Deaths 20—40 - - -	220	222	188	225	214	218	221	218	217	214	213	196	208
Deaths 40—60 - - -	255	332	279	298	313	286	280	259	241	281	292	261	252
Deaths 60—80 - - -	312	380	310	311	412	341	304	272	271	269	311	280	254
Deaths at 80 years & upwards	67	79	58	72	89	72	54	69	68	76	78	61	52
Deaths from Small-pox -	5	11	4	10	11	8	6	3	5	8	8	2	10
" " Measles - - -	28	28	23	17	18	21	17	50	19	30	34	28	32
" " Scarlet Fever -	118	107	103	104	111	78	69	81	56	78	71	70	77
" " Diphtheria - -	7	5	3	3	5	8	6	4	5	2	3	9	3
" " Whooping-cough	67	79	65	61	79	58	49	65	53	68	61	55	51
" " Typhus fever -	7	14	6	9	8	6	4	8	10	6	6	6	10
" " Enteric (or Ty- phoid) fever -	17	9	22	21	11	14	19	8	16	11	18	16	18
" " Simple Contagious	11	12	5	9	13	15	10	13	10	12	14	8	10
" " Diarrhoea - -	8	17	11	20	15	16	14	11	9	13	16	18	17
" " Phthisis - - -	180	198	170	191	226	171	209	193	184	202	198	200	173
" " Bronchitis - -	277	316	265	335	323	305	232	212	221	231	259	196	176
" " Pneumonia - -	81	114	74	109	90	89	98	86	93	107	107	66	91
" " Heart Disease -	84	91	66	76	77	76	54	74	65	76	69	65	78
Mean Temperature of the Air	31·6	42·0	32·4	30·7	36·9	45·8	38·4	41·0	38·1	37·2	45·5	50·1	55·0
Mean Temperature of the Water of the Thames	37·7	39·9	37·8	31·5	33·2	40·2	39·6	42·3	43·4	39·4	43·4	45·3	—
Humidity of the Air - -	82	87	72	74	75	85	81	82	83	80	71	71	61
Rain-fall in inches - -	0·00	0·25	0·25	0·05	0·05	1·22	0·02	0·44	0·37	0·00	0·07	0·07	0·00

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatier, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filler, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 23d day of April 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 23d April.	DEATHS registered during the Week ending 23d April.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTIGRADE.)		RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metre.	
Total of 20 TOWNS in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	5428	3483	79·0	30·0	52·3	11·28	0·07	0·18	
LONDON - - -	77,997	3,214,707	41·2	2317	1487	78·7	36·2	55·0	12·78	0·00	0·00	
PORTSMOUTH - - -	9,513	122,084	12·8	74	56	71·6	38·9	51·0	10·56	0·00	0·00	
NORWICH - - -	7,472	81,087	10·9	59	31	76·5	38·0	51·9	11·06	0·10	0·25	
BRISTOL - - -	4,688	171,382	36·6	129	107	73·9	34·4	51·2	10·67	0·01	0·03	
WOLVERHAMPTON - - -	3,887	72,990	21·5	53	23	75·8	38·2	51·9	11·06	0·00	0·00	
BIRMINGHAM - - -	7,831	369,604	47·2	290	180	77·6	36·9	52·7	11·50	0·00	0·00	
LEICESTER - - -	3,200	97,427	30·4	85	36	79·0	35·7	53·0	11·67	0·00	0·00	
NOTTINGHAM - - -	1,996	88,888	44·5	47	42	77·0	37·9	53·2	11·78	0·00	0·00	
LIVERPOOL - - -	5,108	517,567	101·3	447	250	73·9	40·0	52·5	11·39	0·05	0·13	
MANCHESTER - - -	4,486	374,993	83·6	269	225	76·3	34·7	53·7	12·06	0·11	0·28	
SALFORD - - -	5,172	121,580	23·5	94	67	76·1	32·4	52·8	11·56	0·14	0·38	
BRADFORD - - -	6,590	143,197	21·7	118	91	74·0	40·0	53·1	11·73	0·04	0·10	
LEEDS - - -	21,572	259,527	12·0	234	158	78·0	38·0	53·4	11·89	0·04	0·10	
SHEFFIELD - - -	22,830	247,378	10·8	179	115	75·5	37·0	52·2	11·22	0·01	0·03	
HULL - - -	3,562	130,869	36·7	101	57	70·0	30·0	47·8	8·78	0·01	0·03	
SUNDERLAND - - -	3,806	100,979	30·5	62	37	—	—	—	—	—	—	
NEWCASTLE-ON-TYNE - - -	5,336	133,367	25·0	91	59	74·0	42·0	52·2	11·22	0·10	0·22	
EDINBURGH - - -	4,427	178,970	40·4	149	92	72·7	40·0	52·7	11·50	0·10	0·23	
GLASGOW - - -	5,063	468,189	92·5	434	274	72·0	37·2	52·1	11·17	0·59	1·50	
DUBLIN - - -	9,745	321,540	33·0	196	146	68·4	33·2	51·6	10·90	0·00	0·00	
PARIS - - -	7,802	1,889,842	242	— Week ending 16 Apr. 1870.	1199 Week ending 16 Apr. 1870. 413	—	—	—	—	—	—	
VIENNA - - -	3,728*	622,087	167	— Week ending 21 Apr. 1870.	— Week ending 21 Apr. 1870. 506	—	—	47·3	8·50	—	—	
BERLIN - - -	6,253	702,437	112	—	—	—	—	50·0	10·00	—	—	

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 23d day of April 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public
LONDON - - - -	24	1487	327	306	10	32	77	3	51	38	17	50	90	22
PORTSMOUTH - - -	24	56	11	9	-	1	4	-	4	2	1	4	4	-
NORWICH - - - -	20	31	5	14	-	-	1	-	-	1	-	-	1	-
BRISTOL - - - -	33	107	35	23	-	1	9	1	4	2	2	3	8	1
WOLVERHAMPTON -	16	23	4	5	-	-	-	2	1	1	-	-	-	-
BIRMINGHAM - - -	18	130	27	33	-	-	5	-	4	2	1	7	15	-
LEICESTER - - - -	19	36	12	10	-	-	-	-	1	2	-	-	1	-
NOTTINGHAM - - -	25	42	11	5	-	1	3	-	-	1	-	2	2	-
LIVERPOOL - - - -	25	250	78	40	-	2	19	-	6	10	2	18	18	3
MANCHESTER - - -	31	225	53	33	1	-	7	-	15	12	6	4	14	3
SALFORD - - - -	29	67	11	10	2	-	3	-	4	2	2	2	4	1
BRADFORD - - - -	33	91	27	16	1	3	7	-	1	7	1	1	4	-
LEEDS - - - -	32	153	42	29	-	2	9	1	3	5	2	1	6	1
SHEFFIELD - - - -	24	115	28	16	-	1	9	-	1	2	-	1	5	-
HULL - - - -	23	57	14	10	-	-	10	-	-	-	-	-	-	-
SUNDERLAND - - -	19	37	9	11	-	-	-	-	2	-	-	2	2	-
NEWCASTLE-ON-TYNE -	23	59	16	11	-	-	-	-	3	-	-	2	3	-
DUBLIN - - - -	24	146	22	47	-	2	3	-	3	11	2	2	4	5

TABLE 5.—DEATHS IN LONDON REGISTERED IN THE SIXTEENTH WEEK OF THE YEAR 1870.

CAUSES OF DEATH.	Averages of the Sixteenth Week in the 10 years 1860-69.	In the Week ending Saturday, April 23, 1870.								Averages of the Sixteenth Week in the 10 years 1860-69.	In the Week ending Saturday, April 23, 1870.							
		Deaths of Persons of the Ages									Deaths of Persons of the Ages							
		ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.	ALL AGES.		Under 20.		40.	60.	80.	80 Years and upwards.		
			Mean Tem.	0-5.							5-20.	Mean Tem.					0-5.	5-20.
Mean Temperature -	48° 9	55° 0	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	48° 9	55° 0	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES -	1379·8	1487	611	110	208	252	254	52										
SPECIFIED CAUSES	1368·0	1484	609	110	208	251	254	52										
ZYMOTIC DISEASES.																		
ORDER 1.																		
Small-pox -	19·3	10	3	4	2	1	-	-										
Measles -	33·3	22	30	1	1	-	-	-										
Scarlet Fever (Scarlatina) -	39·4	77	47	25	5	-	-	-										
Diphtheria -	9·9	3	-	2	-	-	-	-										
Croup -	1·3	1	-	-	-	-	-	-										
Whooping-cough -	15·2	12	12	-	-	-	-	-										
Typhus -	71·6	51	51	-	-	-	-	-										
Enteric or Typhoid Fever -	10	2	1	3	3	1	-	-										
Simple continued Fever -	51·2	18	8	2	5	-	3	-										
Erysipelas -	10	6	-	2	2	1	-	-										
Febrile Fever (Metria) -	5·8	8	5	2	-	-	-	-										
Carbuncle -	3·7	3	-	-	3	-	-	-										
Influenza -	1·0	-	-	-	-	-	-	-										
Dysentery -	1·0	2	-	-	-	1	1	-										
Diarrhoea -	1·3	1	1	-	-	-	-	-										
Simple Cholera -	16·1	17	9	1	-	3	4	-										
Remittent Fever -	2	1	-	-	-	-	-	-										
Rheumatism -	7·1	12	-	3	5	1	3	-										
Other Zymotic Diseases -	2	-	-	-	-	-	-	-										
ORDER 2.																		
Syphilis -	8·5	9	7	-	2	-	-	-										
Stricture of Urethra -	7	1	-	-	-	-	1	-										
Hydrophobia -	-	-	-	-	-	-	-	-										
Glanders -	-	-	-	-	-	-	-	-										
ORDER 3.																		
Privation -	6	-	-	-	-	-	-	-										
Want of Breast-milk -	7·2	6	6	-	-	-	-	-										
Purpura and Scoury -	2·4	9	6	1	1	1	-	-										
Alco- | a Del. Tremens	2·3	-	-	-	-	-	-	-										
Alism | b Intemperance	1·8	-	-	-	-	-	-	-										
ORDER 4.																		
Thrush -	1·9	2	2	-	-	-	-	-										
Worms, &c. -	6	-	-	-	-	-	-	-										
ONSTITUTIONAL DIS.																		
ORDER 1.																		
Gout -	2·7	1	-	-	-	-	6	5										
Dropsy -	13·6	16	2	3	-	-	6	5										
Cancer -	29·1	35	-	1	5	13	15	1										
Cancrum Oris (Noma) -	8	-	-	-	-	-	-	-										
Mortification -	3·7	6	-	-	-	1	3	2										
ORDER 2.																		
Scrofula -	8·4	8	5	2	-	1	-	-										
Tuberc Mesenterica -	18·3	18	17	1	-	-	-	-										
Phthisis -	177·2	173	7	21	86	53	6	-										
Hydrocephalus -	33·9	31	27	4	-	-	-	-										
LOCAL DISEASES.																		
ORDER 1.																		
Cephalitis -	13·7	20	14	1	2	1	2	-										
Apoplexy -	33·1	38	3	3	4	12	12	4										
Paralysis -	28·0	23	-	-	2	7	16	3										
Insanity -	1·0	4	-	-	1	3	-	-										
Chorea -	1	-	-	-	-	-	-	-										
Epilepsy -	6·7	5	-	-	3	1	1	-										
Convulsions -	55·0	51	48	3	-	-	-	-										
Brain Disease, &c. -	19·3	16	4	1	1	4	6	-										
ORDER 2.																		
Pericarditis -	2·3	-	-	-	-	-	-	-										
Aneurism -	2·7	3	-	-	2	1	-	-										
Heart Disease, &c. -	54·0	73	-	6	18	24	27	3										
ORDER 3.																		
Laryngitis -	8·5	13	12	1	-	-	-	-										
Bronchitis -	14·6	176	64	-	8	37	58	9										
Pleurisy -	3·2	4	-	-	3	1	-	-										
Pneumonia -	86·2	91	53	5	6	17	10	-										
Asthma -	10·0	11	-	-	5	4	2	-										
Lung Disease, &c. -	12·5	23	15	1	1	3	3	-										
ORDER 4.																		
Gastritis -	1·4	2	-	-	-	2	-	-										
Enteritis -	4·3	2	-	-	-	1	1	-										
Peritonitis -	4·8	3	-	1	1	-	-	-										
Ascites -	2·7	3	1	-	-	1	1	-										
Ulceration of Intestines -	2·4	3	-	-	1	1	1	-										
Hernia -	2·8	3	-	-	-	2	1	-										
Hæm -	2·2	3	-	-	1	1	1	-										
Intussusception -	9	-	-	-	-	-	-	-										
CAUSES OF DEATH.																		
Mean Temperature -	48° 9								48° 9									
9. Stricture of Intestines -	1·5	1	-	-	-	1	-	-										
10. Fistula -	3	-	-	-	-	-	-	-										
11. Stomach Disease, &c. -	5·8	12	-	4	-	1	-	7										
12. Pancreas Disease, &c. -	8·6	3	2	-	-	1	-	-										
13. Hepatitis -	2·8	3	2	-	-	1	-	-										
14. Jaundice -	3	2	-	-	-	-	-	-										
15. Liver Disease, &c. -	15·0	30	1	1	4	18	6	1										
16. Spleen Disease, &c. -	1	1	-	-	-	-	-	-										
ORDER 5.																		
1. Nephritis -	9	2	-	1	-	1	-	-										
2. Ischuria -	3	-	-	-	-	-	-	-										
3. Bright's Disease (Nephria) -	8·2	14	1	1	5	5	2	-										
4. Diabetes -	1·6	4	-	2	1	1	-	-										
5. Calculus (Stone) -	3	-	-	-	-	-	-	-										
6. Cystitis -	1·0	1	-	-	-	-	-	-										
7. Kidney Disease, &c. -	8·9	5	-	-	-	2	3	-										
ORDER 6.																		
1. Ovarian Dropsy -	5	1	-	-	-	1	-	-										
2. Uterus Disease, &c. -	4·4	2	-	-	1	-	1	-										
ORDER 7.																		
1. Synovitis (Arthritis) -	5	-	-	-	-	-	-	-										
2. Joint Disease, &c. -	6·7	6	-	2	2	-	2	-										
ORDER 8.																		
1. Phlegmon -	2·4	1	-	-	1	-	-	-										
2. Ulcer -	1·1	1	-	-	-	-	-	-										
3. Skin Disease, &c. -	1·6	1	1	-	-	-	1	-										
IV. DEVELOPMENTAL DISEASES.																		
ORDER 1.																		
1. Premature Birth -	18·4	27	27	-	-	-	-	-										
2. Cyanosis -	2·1	3	3	-	-	-	-	-										
3. Spina Bifida -	6	1	1	-	-	-	-	-										
4. Other Malformations -	2·5	1	1	-	-	-	-	-										
5. Teething -	20·2	26	26	-	-	-	-	-										
ORDER 2.																		
1. Paramenia -	1	-	-	-	-	-	-	-										
2. Childbirth (see Puer- peral Fever) -	5·4	4	-	-	3	1	-	-										
ORDER 3.																		
1. Old Age -	50·9	52	-	-	-	-	26	26										

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	
LONDON		2,803,989	2317	1487	327	306	10	32	77	3	51	10	18	10	17	50	90	
WEST DISTRICTS		458,125	351	237	44	57	-	6	10	-	13	-	3	2	2	2	5	
NORTH DISTRICTS		618,210	494	371	72	81	6	4	26	2	11	4	5	1	5	13	23	
CENTRAL DISTRICTS		383,321	227	164	45	32	-	6	5	-	4	-	1	1	2	4	13	
EAST DISTRICTS		571,158	518	314	79	46	2	10	16	-	10	4	3	3	4	11	19	
SOUTH DISTRICTS		773,175	727	401	87	90	2	6	20	1	13	2	6	3	4	20	25	
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	46	29	8	5	-	1	2	-	4	-	-	-	-	-	-	
St. John Paddington H		36769	12	15	1	5	-	1	-	-	-	-	1	-	-	-	1	
Kensington Town W		51910	57	34	10	7	-	1	-	-	-	-	-	-	1	-	-	
Brompton H		18198	14	14	1	5	-	-	1	-	1	-	-	-	-	-	-	
St. Peter Hammersmith		5415	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	
St. Paul Hammersmith H		19104	18	7	2	1	-	-	1	-	2	-	-	-	-	-	-	
Fulham W		15539	20	15	5	5	-	-	-	-	-	-	-	-	-	-	-	
Chelsea South H		21654	13	11	2	3	-	1	1	-	-	-	-	-	-	-	-	
Chelsea North-west HW		19899	21	12	1	7	-	-	1	-	1	-	-	-	-	-	-	
Chelsea North-east		21886	15	10	1	3	-	1	-	-	-	-	-	-	-	-	2	
Hanover Square		19773	18	6	3	1	-	-	-	-	-	-	-	-	-	-	-	
May Fair W		12885	8	3	-	2	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	34	32	6	7	-	-	1	-	4	-	-	-	1	-	-	
St. John Westminster		37483	28	12	-	1	-	-	2	-	-	-	-	-	-	-	-	
St. Margaret Westminster WH		30730	12	14	2	3	-	-	1	-	1	-	1	-	-	-	1	
St. James's Square		10753	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	13	5	-	1	-	1	-	-	-	-	-	-	-	1	1	
Berwick-street		10607	7	6	-	2	-	-	-	-	-	-	1	-	-	-	-	
St. Anne Soho		17425	12	8	1	1	-	-	-	-	-	-	-	1	-	-	-	
NORTH DISTRICTS.																		
All Souls Marylebone H		20952	17	17	8	4	-	1	-	-	-	-	-	-	1	-	1	
Cavendish Square		15099	6	6	2	1	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W		26922	28	23	5	3	-	-	1	-	1	-	-	-	-	-	1	
St. Mary Marylebone H		22493	23	13	4	3	-	-	1	-	-	-	1	-	-	-	-	
Christchurch Marylebone		34913	17	19	4	6	-	-	-	-	-	-	-	-	-	-	3	
St. John Marylebone		32540	19	11	-	3	-	-	1	-	-	-	-	-	-	-	2	
Hampstead WH		19106	20	20	2	-	-	-	7	-	1	-	-	-	-	2	2	
Regent's Park Pancras		34927	29	22	5	5	-	-	1	-	1	-	-	-	-	-	1	
Tottenham-court WH		29371	13	20	3	5	-	-	1	-	1	-	-	-	-	3	2	
Gray's Inn Lane H		27808	18	8	-	2	-	1	-	-	-	1	-	1	-	-	1	
Somers Town		39099	26	14	5	2	-	-	1	-	-	-	-	-	1	-	1	
Camden Town W		23266	15	13	2	5	-	-	-	-	1	-	-	-	-	3	3	
Kentish Town		44317	49	33	6	5	-	-	2	-	2	-	-	-	1	-	-	
Islington West* WHH		75442	70	53	10	12	6	1	2	-	-	2	1	-	-	2	4	
Islington East W		79899	83	47	12	8	-	1	3	-	3	1	1	-	1	1	4	
Stoke Newington		6603	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill		5483	8	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24255	20	14	2	2	-	-	1	2	-	-	2	-	-	1	1	
Hackney WH		31481	23	17	1	5	-	-	1	-	-	-	-	-	-	-	-	
South Hackney L		15458	12	14	1	4	-	-	3	-	1	-	-	-	-	1	1	
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	5	4	-	2	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH		19483	16	14	2	3	-	-	-	1	-	-	-	-	-	-	3	
St. Giles North		17201	14	5	-	1	-	-	-	-	-	-	-	-	1	-	-	
Long Acre		11618	11	4	3	1	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH		11071	8	7	3	1	-	-	-	-	-	-	-	-	-	1	1	
St. Mary-le-Strand		10346	6	3	1	1	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		15207	9	6	2	1	-	-	-	-	-	-	-	-	-	-	-	
St. George-the-Martyr H		19903	13	6	1	2	-	-	1	-	-	-	-	-	-	-	-	
St. Andrew East Holborn W		12947	13	10	3	1	-	-	-	-	1	-	-	-	-	-	-	
Saffron Hill		12012	10	7	1	-	-	-	-	-	1	-	-	-	-	-	-	
St. James Clerkenwell W		19162	11	12	3	-	-	-	2	-	-	-	1	1	-	-	-	
Amwell Clerkenwell		17250	13	5	1	1	-	-	1	-	-	-	-	-	1	-	1	
Pentonville		13079	6	7	5	-	-	-	-	-	2	-	1	-	-	1	-	
Goswell-street		16200	10	8	1	3	-	-	-	-	-	-	-	-	1	1	2	
Old-street		11504	10	5	1	1	-	-	-	1	-	-	-	-	-	-	-	
City-road HL		17860	22	14	8	1	-	-	1	-	-	-	-	-	-	-	-	
Whitecross-street		14778	9	7	2	2	-	-	1	-	-	-	-	-	-	-	-	
Finsbury		12931	7	4	3	-	-	-	-	-	-	-	-	-	1	-	2	
St. Botolph East London		20990	10	3	-	2	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate		19697	10	3	-	1	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH		11750	4	15	1	3	-	1	-	-	-	-	-	-	-	-	-	
St. Bride W		15395	4	3	1	-	-	-	-	-	-	-	-	-	-	-	1	
Castle Baynard		7762	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-	
Christchurch		9023	1	3	-	1	-	-	1	-	-	-	-	-	-	-	-	
Queenhithe		8570	-	4	1	2	-	-	-	-	-	-	-	-	-	-	-	
Alhallowes Barking		8659	1	2	-	1	-	-	-	-	-	-	-	-	-	1	-	
Broad Street		11544	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Public Officials of Institutions are not included.

r, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
day, 23d April 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
Well Shoreditch	17318	5	7	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-
London Shoreditch Lt	19188	13	10	1	3	-	-	-	-	-	-	-	-	-	-	1	-	-
London New Town w	26516	22	12	4	2	-	-	2	-	2	-	1	-	-	-	-	-	-
London Old Town -	25777	25	12	4	-	-	-	1	-	-	-	1	-	-	-	-	-	-
London Erstone West W	23260	18	20	3	7	-	-	3	-	-	-	-	-	-	1	1	7	-
London Erstone East -	17310	18	10	6	1	-	-	2	-	-	-	-	-	-	-	-	-	-
London Hey-road -	26298	22	10	3	-	-	1	-	-	2	-	-	-	-	-	-	-	-
London Bethnal Green WILL†	31789	27	19	3	3	1	-	1	-	-	-	-	-	1	-	-	3	-
London Bethnal Green -	25528	16	12	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London Bethnal Green -	21486	17	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London Ery Whitechapel	6557	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London Ery Whitechapel	15700	13	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London End New Town W	15392	18	12	1	3	-	-	-	-	-	-	-	-	1	-	1	8	-
London Ery Whitechapel North	12122	13	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London Ery Whitechapel Church H	8062	5	11	2	1	-	-	-	-	-	-	-	-	-	-	3	5	9
London Ery Whitechapel	11166	12	5	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
London Ery Whitechapel	9071	1	7	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-
London Mary St. George East	18181	11	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London Mary St. George East	21015	15	8	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London Mary St. George East W	9695	11	10	1	4	-	-	-	1	-	-	-	-	-	-	1	4	-
London Well W -	12537	11	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London Wff WH -	16874	15	10	1	2	-	-	-	-	-	1	1	-	-	-	-	-	1
London Wouse W -	27161	24	15	4	4	-	-	-	-	-	-	2	-	-	1	1	2	-
London End Old Town West	33747	23	15	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
London End Old Town East Ww	39317	46	17	2	5	-	-	-	1	-	1	-	-	-	-	-	3	4
London WwL† -	35667	70	35	11	-	-	5	1	-	2	1	-	-	-	-	2	2	5
London W -	43529	35	27	9	2	1	1	3	-	1	-	-	-	-	-	-	-	4
SOUTH DISTRICTS.																		
London church Southwark W	17069	4	2	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-
London church Southwark H	19101	12	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London road -	19652	14	11	2	-	-	-	2	-	-	-	1	1	1	1	1	1	-
London gh-road W -	16658	14	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London n-road L -	19190	10	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London y Newington	22675	18	8	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-
London ater Walworth W	44463	42	21	6	2	1	-	2	-	-	-	1	-	-	-	-	-	-
London ary Newington H	15082	11	12	2	2	-	-	1	-	-	-	1	-	-	-	2	2	6
London ave Southwark H	7663	1	12	-	2	-	-	-	-	-	-	-	-	-	-	5	4	9
London John Horsleydown W	11393	9	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-	5
London er Market -	16686	15	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London ary Magdalen W	16505	14	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
London James Bermondsey	25154	43	10	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
London rhithe W -	24502	24	15	4	2	-	-	1	-	-	-	-	-	-	-	1	2	3
London loo-road 1st -	15269	12	15	3	1	-	-	-	-	-	-	-	-	-	-	2	2	-
London loo-road 2nd H	18640	29	9	3	-	-	-	1	-	-	1	-	-	-	-	1	1	1
London eth Church 1st	19839	15	6	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
London eth Church 2nd W	29542	33	30	6	8	-	-	-	-	-	-	-	-	-	-	-	-	-
London ington 1st	36755	30	15	3	5	-	1	1	-	-	-	-	-	-	1	1	1	7
London ington 2nd	20440	11	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
London on -	20067	25	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
London ood W -	7462	8	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London am -	20894	20	6	1	2	-	-	-	-	-	1	-	-	-	-	-	-	-
London rsea W	19600	41	83	10	9	-	-	-	2	-	-	-	1	-	-	1	1	6
London lsworth L	18346	14	10	-	3	-	-	-	1	-	-	-	-	-	-	1	3	1
London ey -	6481	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London tham -	10082	11	6	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-
London ich -	1723	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London erwell WLL†	21297	19	20	2	10	-	-	-	2	-	-	-	-	-	1	1	1	9
London nam W	28135	27	8	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-
London george Camberwell	20333	38	11	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
London ul Deptford	37834	45	22	5	5	-	-	-	2	-	3	-	1	1	-	1	1	-
London icholas Deptford	8139	5	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
London wwich West H	21696	16	8	1	3	-	-	-	-	1	1	-	-	-	-	-	-	-
London wwich East WH	18306	9	10	2	5	-	-	-	-	-	-	-	-	-	-	-	-	4
London am -	3009	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London sham Village W	11603	5	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
London sham	7372	4	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1
London sham	10595	14	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London ton H -	9276	5	9	1	3	-	-	-	-	-	-	-	-	-	-	-	-	3
London wwich Dockyard H	22919	11	8	5	-	-	-	1	1	-	-	1	-	-	-	-	1	-
London wwich Arsenal H	18776	18	12	2	2	-	-	-	2	-	-	1	1	-	-	-	-	-
London stead West -	9	5	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London stead East	24502	12	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
London Strand - " - " Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and
London City - " - " Islington East.	Stepney " " Bow sub-district.
Do. do. - " - " Hackney sub-district.	Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 23d APRIL 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.						DIFFERENCE				WIND.				RAIN.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Phases of Moon.	Mean daily reading reduced to 32° (reg. 32° in height).	Dry.		Dew Point.	Highest in the sun, as shown by thermometer.	Lowest on the Grass, as shown by self-registering thermometer.	In the Water of the Thames at Greenwich, by registering thermometers.	Between Dew Point and Air Temperature.		Between mean temperature of day and night, on the same day, on an average of 50 years.*	As deduced from Anemometers.		Oster's.	Robinson's Gauge whose receiving pipe is 5 in. above the ground.	Collected in a																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		High-est.	Low-est.					Range in day.	Mean daily value.		Mean daily value.	Great-est.				Least.	General Direction.	Pressure on square foot.	Amount of Horizontal Movement of Air of each day.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's thin glass standard barometer. The observations are taken at 9h. A.M.; 3h. P.M.; and 9h. P.M. The means of the observations at these times are converted into mean daily values by the application of correction. See *Phil. Trans.* part 1. 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. Fourth edition. The results for mean daily temperature of the air or the numbers exhibited in column 7, include the observations deduced from the maximum and minimum thermometers, as determined by self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1843, December 31. In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the averages. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 30.23 in. at the beginning of the week to 29.83 in. by 3h. P.M. on the 19th; increased to 29.87 in. by 9h. A.M. on the 20th; decreased to 29.83 in. by 3h. P.M. on the same day; increased to 30.14 in. by 9h. A.M. on the 21st; decreased to 30.04 in. by 9h. P.M. on the same day; and was 30.22 in. at the end of the week.

SKY AND ATMOSPHERE.

A fine day; the sky was cloudless till evening; overcast afterwards.

During the early morning hours the sky was overcast; after 10h. A.M. the clouds cleared away, and remained free from cloud throughout the rest of the day. A fine day.

A very fine day. Cloudless.

A very fine day. A few light clouds prevailed in the afternoon and evening. The air was very dry.

A very fine day; generally cloudless.

A fine day; light clouds and haze were prevalent. Solar halo seen occasionally.

A fine day; light clouds prevailed occasionally.

ELECTRICITY.

No electricity was shown throughout the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 17. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, APRIL 30. [Price 1½d.

*General Register Office, Somerset House,
2d May 1870.*

DURING the week ending Saturday the 30th ultimo, 5330 *births* and 3281 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 24 deaths annually to every 1000 of the present estimated population. The rate for the preceding week was 25 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 23 per 1000, Portsmouth 22, Norwich 29, Bristol 27, Wolverhampton 28, Birmingham 19, Leicester 17, Nottingham 23, Liverpool 24, Manchester 26, Salford 21, Bradford 31, Leeds 25, Sheffield 24, Hull 19, Sunderland 17, and Newcastle-upon-Tyne 27. The aggregate mortality of these towns is 1·7 per 1000 below that of the previous week, but the deaths from the seven principle zymotic diseases (see Table 4.) were equal in number for both weeks.

In Edinburgh the deaths registered last week were at the annual rate of 24 per 1000 persons living, in Glasgow 29 per 1000, and in Dublin 29.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 35 per 1000 persons living. Small-pox caused 166 deaths, as compared with 132, 102, 118, and 103 in the four preceding weeks.

In Berlin the deaths recorded during the seven days ending the 28th ultimo gave an annual rate of 29 per 1000, and in Vienna during the week ending 23d ultimo a rate of 40 per 1000.

In the city of Bombay the deaths registered during the week ending April 5th were 345, and the mortality was at the annual rate of 22 per 1000; in the corresponding week of five previous years the annual mortality was 30 per 1000.

In LONDON the *births* of 1173 boys and 1095 girls, in all 2268 children, were registered last week. The *deaths* registered in the same time were 1394. During the corresponding weeks of ten previous years the registered births averaged 2077, and the deaths 1334 per week; after making due allowance for increase of population, the average for the past week is estimated at 2285 births and 1467 deaths; the registered births, therefore, were 17, and the deaths 73, below the estimated average.

The deaths under 5 years of age were 538, at the ages 5 to 20 years they were 109, at 20 to 40 years 220, at 40 to 60 years 238, at 60 to 80 years 234, and 55 at 80 years and upwards. Of infants in their first year 281 died last week against 327 in the week preceding.

The mortality in the Western group of Districts was at the annual rate of 21, in the Northern group of 25, in the Central group of 28, in the Eastern group of 22, and in the Southern group of 20 per 1000 persons living.

Zymotic diseases caused 280 deaths, including 3 from small-pox, 32 from measles, 68 from scarlet fever, 6 from diphtheria, 14 from croup, 61 from whooping-cough, 13 from typhus, 15 from enteric (or typhoid) fever, 10 from simple continued fever, 1 from relapsing fever, 6 from erysipelas, and 13 from diarrhoea. Fifty-one deaths resulted from violence; of these 43 were accidental, including 21 fractures, 5 burns, 5 by drowning, and 5 infants and 2 adults by suffocation. A female pauper, aged 30 years, died on 26th April at Pancras Workhouse, from "ulceration of the stomach from swallowing three sovereigns and a half sovereign." *Post mort.* (*Inquest.*)

Two fatal street accidents were returned last week :—A police constable's son, aged 7 years, was run over by a van at Horsleydown, and died in Guy's Hospital on 23d April; a wine-cooper's son, aged 9 years, was knocked down and killed in South Lambeth-road on 19th April, "by running against a hansom cab horse."

In the Public Institutions of the Metropolis 247 deaths were registered; of these 114 occurred in Workhouses, 96 in General Hospitals, 24 in Hospitals for special diseases, 3 in Lying-in Hospitals, 1 in Military and Naval Hospitals, 3 in Hospitals and Asylums for Foreigners, and 6 in Lunatic Asylums.

Returns furnished by the London Water Companies to the Registrar General show that the average daily supply of water for all purposes to the London population during the month of March was 96,741,741 gallons, of which 50,147,741 gallons were drawn from the Thames, and 46,594,000 gallons from the Lea and other sources. The supply for domestic purposes amounted to about 23·5 gallons per day per head of population.

Professor Frankland, in his report on the quality of the London water supply during the month of April, states that all the samples taken by him for analysis were clear and transparent when drawn from the Companies' mains. The amount of solid impurity in the waters generally was less than in the preceding two months, and less also than the average for the month of April last year. The absence of the usual "April showers" this year accounts, in some degree, for the diminished pollution of the rivers and streams by the surface washings of the land.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follows :—Mean reading of the *barometer* 29·926 in.; the highest was 30·24 in. on Sunday, and the lowest was 29·43 in. at the end of the week. The mean temperature of the *air* was 47°·7, or 0°·5 below the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 67°·0 on Monday; the lowest night temperature was 36°·2 on Friday; the entire range of temperature in the week was, therefore, 30°·8. On Monday the mean temperature was 7°·7 above, and on Thursday 7°·7 below the average. The highest temperature in the sun was 121°·3 on Tuesday. The difference between the mean *dew-point* temperature and *air* temperature was 7°·4. The mean degree of *humidity* of the air was 76, complete saturation being represented by 100. *Rain* fell during the week to the amount of 0·13 in. Thunder was heard about noon on Wednesday, and on Thursday a little hail fell. The general direction of the *wind* was variable; and the horizontal movement of the air amounted to 12·2 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 44°·1 in Newcastle-on-Tyne, to 47°·2 in Birmingham; the lowest recorded night temperature was 30°·1 in Portsmouth, and the highest day temperature in the shade was 65°·6 in Nottingham. Rather more than an inch of rain fell in Manchester during the week, in Liverpool 0·6 in., in Wolverhampton and Birmingham 0·4 in., and in Portsmouth and Nottingham 0·1 in.

The Centigrade graduation has many advantages over that of Fahrenheit : (1) Its zero 0° is at the freezing point of water; (2) its 100° is the boiling point of water. Degrees below zero are degrees of cold, and are preceded by the *minus* sign; thus —3° may be read 3 degrees of cold, or 3 degrees below zero. The zero of Fahrenheit is 32° below the freezing-point of water; 212° mark the temperature of boiling water. In Centigrade degrees the mean temperature of the air last week at Greenwich was 8°·7; the highest day tem-

perature in the shade was $19^{\circ}4$; the lowest night temperature was $2^{\circ}3$; the highest temperature in the sun was $49^{\circ}6$, and the lowest on the grass $-2^{\circ}5$. The mean temperature of the week on an average of 50 years was $9^{\circ}0$, or $0^{\circ}3$ above the temperature of last week. The wind blew at the rate of $19\cdot5$ kilometers an hour, and the rain-fall was $\cdot33$ centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 166,428 cubic metres, and at Barking 125,051 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of MARCH 1870: thus, according to their account, 96,741,741 gallons or 439,542 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 92·10 decalitres, rather less than a *ton* by weight, to each house, and 12·98 decalitres (= $28\cdot6$ gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of March 1870, it may be estimated that about 79,506,554 gallons were probably used for domestic purposes, or about 23·5 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	FEBRUARY 1870.	MARCH 1870.	FEBRUARY 1870.	MARCH 1870.
TOTAL SUPPLY	476,863	477,230	95,812,688	96,741,741
From Thames	219,803	220,085	48,878,012	50,147,741
From Lea and from other Sources	257,060	257,145	46,934,676	46,594,000
THAMES.				
Chelsea	27,435	27,435	7,178,800	7,594,600
West Middlesex	40,382	40,490	7,883,545	8,125,850
Southwark and Vauxhall	76,894	76,931	15,213,832	15,332,580
Grand Junction	30,929	30,929	9,724,835	9,610,811
Lambeth	44,163	44,300	8,876,900	9,483,900
LEA AND OTHER SOURCES.				
New River	117,413	117,498	20,806,000	20,823,000
East London	100,660	100,660	19,279,900	18,971,000
Kent	38,987	38,987	6,848,776	6,800,000

Note.—The Return for March as compared with that for February shows an increase of 367 houses, and an increase of 929,053 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATERS FOR APRIL.

*Royal College of Chemistry,
30th April, 1870.*

SIR,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of April. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Gloucester, and Manchester, and by Thames water taken at London Bridge at low-water on the 8th of December last, and at Battersea Bridge at low and high-water on the 1st of March.

All the waters supplied to London were clear and transparent when drawn from the companies' mains. The water delivered by the Kent and New River Companies contained the smallest proportion of organic elements. Of the companies:

drawing from the Thames the Southwark Company delivered water containing the least proportion of organic elements.

The waters supplied to Edinburgh were clear and transparent, except that derived from Crawley Burn, which was turbid.

The Registrar General, &c., &c.

I have, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 19th April, Cab Rank, Horse Guards }	12·2	25·40	·119	·021	·000	·220	·241	1880	1·61	20·96
West Middlesex -	{ 19th April, Cab Rank, Portland-road }	12·8	26·18	·111	·017	·000	·252	·269	2200	1·63	20·40
Southwark and Vauxhall - - -	{ 19th April, Cab Rank, St. George's Church, Borough }	13·3	25·00	·121	·013	·000	·213	·226	1810	1·62	20·96
Grand Junction -	{ 19th April, Cab Rank, Woodstock-st. }	11·4	23·00	·123	·015	·000	·220	·235	1880	1·62	20·14
Lambeth - - -	{ 19th April, Cab Rank, Lambeth-road }	12·7	26·02	·135	·019	·000	·216	·235	1840	1·63	21·48
OTHER SOURCES.											
New River - - -	{ 19th April, Cab Rank, Tottenham- court-road }	12·5	24·90	·055	·008	·000	·247	·255	2150	1·50	20·14
East London - -	{ Slater's Lamp Black Works, Old Ford-road }	12·5	26·26	·103	·013	·000	·196	·209	1640	1·71	21·48
Kent - - -	{ 19th April, Deptfd. Bdge. Police Stat. }	11·7	40·46	·043	·008	·000	·445	·453	4130	3·13	28·58
Thames water, fil- tered - - -	{ 8th Dec. 1869, London Bridge mid-stream } at low water		34·3	·558	·035	·103	·351	·521	4040	2·60	25·25
	{ 1st Mar. 1870, Battersea Bdge. mid-stream } at high water		30·64 32·20	·451 ·476	·060 ·048	·024 ·075	·493 ·364	·573 ·469	4810 3940	1·75 2·05	25·85 25·02
EDINBURGH WATERS.											
Crawley Burn -	{ 6th April 1870 }	7·2	9·94	·162	·012	·000	·053	·065	210	1·06	6·42
Comiston Water -		8·1	22·94	·029	·010	·001	·858	·869	8270	2·00	11·62
Swanston Water -		7·2	13·48	·067	·007	·000	·062	·069	300	1·26	10·08
Colinton Water -		8·3	13·60	·053	·009	·001	·000	·010	0	·95	9·34
Gloucester - - -	{ 18th March, 1870, Gloucester Water Supply }		24·82	·375	·042	·000	·026	·068	0	1·52	19·62
Manchester - - -	{ 29th January 1870 Manchester Water Supply }		5·74	·070	·007	·001	·000	·008	0	·80	2·48
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 19th of April at the Horse Guard's cab-rank had a temperature of 12·2°C.; 100,000 lbs. of it contained 25·4 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·119 lb. of carbon and ·021 lb. of nitrogen. This solid impurity also contained ·220 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·241 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 1880 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage or animal contamination had been, so far as analysis can show, converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·61 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 20·96 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the SEVENTEENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1799	1858	1959	1963	1946	2205	2187	2385	2307	2165	2077·4	2268
Males . .	914	930	994	958	1006	1140	1080	1240	1200	1092	1055·4	1173
Females . .	885	928	965	1005	940	1065	1107	1145	1107	1073	1022·0	1095
TOTAL Deaths	1268	1182	1394	1408	1307	1344	1492	1280	1378	1288	1334·1	1394
Males . .	639	610	684	697	679	679	764	702	714	682	685·0	712
Females . .	629	572	710	711	628	665	728	578	664	606	649·1	682

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	Feb. 5.	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.	Apr. 2.	Apr. 9.	Apr. 16.	Apr. 23.	Apr. 30.
TOTAL Deaths - - -	1828	1568	1716	1861	1673	1499	1532	1478	1625	1631	1475	1487	1394
Deaths under 5 years of age -	681	616	687	713	640	547	613	577	665	626	591	611	538
Deaths 5-20 - - -	134	117	123	120	116	93	101	104	120	111	86	110	109
Deaths 20-40 - - -	222	188	225	214	218	221	218	217	214	213	196	208	220
Deaths 40-60 - - -	332	279	338	313	286	280	259	241	281	292	261	252	233
Deaths 60-80 - - -	380	310	311	412	341	314	272	271	269	311	280	254	234
Deaths at 80 years & upwards	79	58	72	89	72	54	69	68	76	78	61	52	55
Deaths from Small-pox -	11	4	10	11	8	6	3	5	8	8	2	10	3
" " Measles - -	28	23	17	18	21	17	20	19	30	34	28	32	32
" " Scarlet Fever -	107	103	104	111	78	69	81	56	78	71	70	77	68
" " Diphtheria -	5	3	3	5	8	6	4	5	2	3	9	3	6
" " Whooping-cough -	79	65	61	79	53	49	65	53	68	61	55	51	61
" " Typhus fever -	14	6	9	8	6	4	8	10	6	6	6	10	13
" " Enteric (or Typhoid) fever -	9	22	21	11	14	19	8	16	11	18	16	18	15
" " Simple Contagious fever -	12	5	9	13	15	10	13	10	12	14	8	10	11
" " Diarrhoea - -	17	11	20	15	16	14	11	9	13	16	18	17	13
" " Phthisis - -	198	170	191	226	171	209	193	184	202	198	200	173	193
" " Bronchitis - -	316	265	335	323	305	232	212	221	231	259	196	176	133
" " Pneumonia - -	114	74	109	90	89	98	86	93	107	107	66	91	86
" " Heart Disease -	91	66	76	77	76	54	74	65	76	69	65	78	64
Mean Temperature of the Air	42·0	32·4	30·7	36·9	45·8	33·4	41·0	38·1	37·2	45·5	50·1	55·0	47·7
Mean Temperature of the Water of the Thames -	39·9	37·8	31·5	33·2	40·2	39·6	42·3	43·4	39·4	43·4	45·3	—	—
Humidity of the Air - -	87	72	74	75	83	81	82	83	80	71	71	61	76
Rain-fall in inches - -	0·25	0·25	0·05	0·05	1·22	0·02	0·44	0·37	0·00	0·07	0·07	0·00	0·13

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 30th day of April 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 30th April.	DEATHS registered during the Week ending 30th April.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	Per Cent.
Total of 20 TOWNS in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	5330	3281	67·0	30·1	46·7	8·17	0·34	0·
LONDON - - -	77,997	3,214,707	41·2	2268	1394	67·0	36·2	47·7	8·72	0·13	0·
PORTSMOUTH - -	9,513	122,084	12·8	82	51	65·5	30·1	47·0	8·33	0·11	0·
NORWICH - - -	7,472	81,087	10·9	66	45	61·0	34·0	45·8	7·67	0·35	0·
BRISTOL - - -	4,688	171,882	36·6	117	88	58·9	34·2	46·8	7·95	0·26	0·
WOLVERHAMPTON -	3,387	72,990	21·5	50	39	64·4	35·0	46·8	8·23	0·40	1·
BIRMINGHAM - -	7,831	369,604	47·2	259	134	63·8	36·3	47·2	8·44	0·41	1·
LEICESTER - - -	3,200	97,427	30·4	77	32	64·5	36·5	46·7	8·17	0·18	0·
NOTTINGHAM - -	1,996	88,888	44·5	73	39	65·6	36·2	47·1	8·39	0·11	0·
LIVERPOOL - - -	5,108	517,567	101·3	356	236	60·2	33·8	46·6	8·12	0·61	1·
MANCHESTER - -	4,486	374,993	83·6	288	184	61·4	35·0	46·7	8·17	1·13	2·
SALFORD - - -	5,172	121,580	23·5	94	50	59·5	32·8	45·0	7·22	0·98	2·
BRADFORD - - -	6,590	143,197	21·7	118	85	57·4	37·0	46·2	7·89	0·22	0·
LEEDS - - -	21,572	259,527	12·0	215	126	58·0	38·0	47·0	8·33	0·25	0·
SHEFFIELD - - -	22,830	247,378	10·8	247	113	60·7	35·0	46·2	7·89	0·28	0·
HULL - - -	3,562	130,869	36·7	70	47	—	—	—	—	—	—
SUNDERLAND - -	3,306	100,979	30·5	81	33	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	114	69	60·0	36·0	44·1	6·73	0·30	0·
EDINBURGH - - -	4,427	178,970	40·4	147	83	59·7	38·0	48·7	9·23	0·10	0·
GLASGOW - - -	5,063	468,189	92·5	454	257	55·8	37·2	46·9	8·28	0·22	0·
DUBLIN - - -	9,745	321,540	33·0	159	176	62·9	36·0	49·3	9·61	0·01	0·
PARIS - - -	7,802	1,889,842	242	—	1263	—	—	—	—	—	—
VIENNA - - -	3,728*	622,087	167	Week ending 23 Apr. 1870. —	Week ending 23 Apr. 1870. 478	—	—	49·8	9·88	—	—
BERLIN - - -	6,253	800,000	128	Week ending 28 Apr. 1870. 641	Week ending 28 Apr. 1870. 449	—	—	50·0	10·00	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 30th day of April 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include										
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Dysentery.	Violence.	Inquest Cases.
LONDON - - -	23	1394	281	288	3	32	68	6	61	39	13	51	81
PORTSMOUTH - -	22	51	11	6	—	—	3	—	—	1	1	—	—
NORWICH - - -	29	45	11	17	—	—	2	1	—	1	—	—	1
BRISTOL - - -	27	88	16	18	—	3	9	1	5	1	1	—	4
WOLVERHAMPTON -	28	39	12	6	—	—	1	2	1	—	1	1	2
BIRMINGHAM - -	19	134	37	20	—	—	6	—	6	5	3	5	12
LEICESTER - - -	17	32	10	6	—	—	—	2	1	—	—	—	2
NOTTINGHAM - -	23	39	9	11	—	1	3	1	2	2	1	1	3
LIVERPOOL - - -	24	236	61	51	—	2	16	1	6	7	2	11	15
MANCHESTER - -	26	184	46	25	1	—	11	1	8	10	2	8	15
SALFORD - - -	21	50	11	6	—	—	2	—	1	5	—	1	2
BRADFORD - - -	31	85	23	10	1	3	6	2	3	5	1	1	1
LEEDS - - -	25	126	39	19	—	—	5	1	4	7	1	2	2
SHEFFIELD - - -	24	113	23	17	—	2	9	2	1	8	—	4	5
HULL - - -	19	47	9	16	—	—	4	—	—	4	2	2	3
SUNDERLAND - -	17	33	4	8	—	—	1	—	—	—	—	1	1
NEWCASTLE-ON-TYNE	27	69	18	13	1	1	1	1	—	3	1	—	3
DUBLIN - - -	29	176	25	40	—	2	7	2	2	10	—	7	8

TABLE 5.—DEATHS in LONDON Registered in the SEVENTEENTH Week of the Year 1870.

USES OF DEATH.	Averages of the Seventeenth Week in the 10 years 1860-69.	In the Week ending Saturday, April 30, 1870.								Averages of the Seventeenth Week in the 10 years 1860-69.	In the Week ending Saturday, April 30, 1870.							
		Deaths of Persons of the Ages									Deaths of Persons of the Ages							
		ALL AGES.	Under 20.			20 and under 40.			60 and under 80.		ALL AGES.	Under 20.			20 and under 40.			60 and under 80.
			Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.				80 Years and upwards.	Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.		60 and under 80.	80 Years and upwards.
Mean Temperature -	49° 5	47° 7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		49° 5	47° 7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	
ALL CAUSES -	1334·1	1394	538	109	220	239	233	55										
SPECIFIED CAUSES	1323·6	1388	536	108	220	237	232	55										
ZYMOTIC DISEASES.																		
ORDER 1.																		
Small-pox -	17·7	8	1	1	1	-	-	-										
Measles -	33·3	32	30	2	-	-	-	-										
Scarlet Fever (Scarlatina) -	37·8	68	39	25	3	1	-	-										
Diphtheria -	9·5	6	5	1	-	-	-	-										
Typhus -	1·0	1	-	-	-	-	-	-										
Eruptive -	14·2	14	11	3	-	-	-	-										
Whooping cough -	65·5	61	61	-	-	-	-	-										
Typhus -	52·8	13	2	2	2	6	1	-										
Enteric or Typhoid Fever -	52·8	15	3	5	4	3	-	-										
Simple continued Fever -	11·2	11	2	3	1	2	-	-										
Erysipelas -	6·3	6	3	2	-	1	-	-										
Eruptive Fever (Metria) -	2·4	5	-	-	5	-	-	-										
Erbuncle -	1·7	-	-	-	-	-	-	-										
Erysipelas -	1·5	1	1	-	-	-	-	-										
Dysentery -	1·7	3	-	-	1	1	1	-										
Diarrhoea -	13·5	13	8	-	-	1	1	3										
Simple Cholera -	5	-	-	-	-	-	-	-										
Typhoid -	5	-	-	-	-	-	-	-										
Remittent Fever -	1·3	-	-	-	-	-	-	-										
Chorea -	8·0	2	-	2	-	-	-	-										
Other Zymotic Diseases -	1	-	-	-	-	-	-	-										
ORDER 2.																		
Syphilis -	57	12	9	-	2	1	1	1										
Discharge of Urethra -	1·3	3	-	-	-	-	1	1										
Hydrophobia -	-	-	-	-	-	-	-	-										
Glands -	2	-	-	-	-	-	-	-										
ORDER 3.																		
Privation -	1	-	-	-	-	-	-	-										
Want of Breast-milk -	7·4	2	2	-	-	-	-	-										
Scurvy and Scurvy -	1·0	5	2	1	-	1	1	-										
Alcohol (a Del. Tremens) -	1·4	1	-	-	1	-	-	-										
Alcohol (b Intemperance) -	1·5	-	-	-	-	-	-	-										
ORDER 4.																		
Thrush -	2·2	2	2	-	-	-	-	-										
Worms, &c. -	-	1	1	-	-	-	-	-										
CONSTITUTIONAL DIS.																		
ORDER 1.																		
Gout -	2·3	3	-	-	1	-	2	-										
Dropsy -	12·6	10	3	-	1	3	2	1										
Cancer -	25·7	35	-	1	4	17	13	-										
Cancerum Oris (Noma) -	-	3	-	-	-	-	-	-										
Furunculosis -	4·9	3	-	-	1	-	2	-										
ORDER 2.																		
Acrofula -	8·5	13	5	1	6	1	-	-										
Calculus Mesenterica -	17·9	20	17	1	-	-	1	1										
Typhoid -	181·1	193	19	19	92	55	8	-										
Hydrocephalus -	33·6	32	29	3	-	-	-	-										
LOCAL DISEASES.																		
ORDER 1.																		
Cephalitis -	15·4	14	8	4	2	-	-	-										
Apoplexy -	31·5	33	3	1	4	13	11	4										
Paralysis -	29·0	29	-	-	3	10	14	2										
Erysipelas -	2·5	1	-	-	-	-	-	-										
Chorea -	2	-	-	-	-	-	-	-										
Epilepsy -	7·2	3	-	2	-	1	-	-										
Convulsions -	54·3	56	55	1	-	-	-	-										
Brain Disease, &c. -	15·0	18	5	3	1	2	5	2										
ORDER 2.																		
Pericarditis -	2·4	1	-	-	-	1	-	-										
Aneurism -	17	-	-	-	-	-	1	-										
Heart Disease, &c. -	57·0	64	-	3	17	24	19	1										
ORDER 3.																		
Laryngitis -	7·8	10	9	-	-	-	1	-										
Bronchitis -	131·2	133	41	3	5	24	53	7										
Pleurisy -	3·5	6	1	3	2	-	-	-										
Pneumonia -	78·1	86	49	5	12	9	11	-										
Asthma -	9·1	6	-	-	1	1	4	-										
Lung Disease, &c. -	11·6	19	7	-	1	3	5	3										
ORDER 4.																		
Gastritis -	1·7	2	-	-	-	2	-	-										
Enteritis -	6·3	9	2	-	1	4	2	-										
Peritonitis -	4·7	7	1	-	2	2	2	-										
Ascites -	2·3	4	-	-	-	-	-	-										
Ulceration of Intestines -	2·6	5	1	1	1	1	1	-										
Hernia -	2·4	1	-	-	-	-	-	-										
Leucorrhoea -	2·9	4	1	-	1	1	1	-										
Intussusception -	8	2	-	1	-	-	1	-										
CAUSES OF DEATH.																		
Mean Temperature -	49° 5	47° 7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		49° 5	47° 7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	
9. Stricture of Intestines -	1·1	1	-	-	-	-	-	-										
10. Fistula -	4	-	-	-	-	-	-	-										
11. Stomach Disease, &c. -	5·6	6	-	-	-	5	1	-										
12. Pancreas Disease, &c. -	-	-	-	-	-	-	-	-										
13. Hepatitis -	4·1	-	-	-	-	-	-	-										
14. Jaundice -	2·8	5	3	-	-	-	1	1										
15. Liver Disease, &c. -	16·6	14	1	-	-	2	9	1										
16. Spleen Disease, &c. -	8	-	-	-	-	-	-	-										
ORDER 5.																		
1. Nephritis -	1·3	3	1	-	2	-	-	-										
2. Ischuria -	1	-	-	-	-	-	-	-										
3. Bright's Disease (Nephria) -	9·7	12	1	-	4	5	2	-										
4. Diabetes -	2·0	4	-	-	1	2	1	-										
5. Calculus (Stone) -	3	-	-	-	-	-	-	-										
6. Cystitis -	8	-	-	-	-	-	-	-										
7. Kidney Disease, &c. -	9·5	11	-	2	1	3	5	-										
ORDER 6.																		
1. Ovarian Dropsy -	7	-	-	-	-	-	-	-										
2. Uterus Disease, &c. -	4·2	4	-	-	2	2	-	-										
ORDER 7.																		
1. Synovitis (Arthritis) -	-	1	-	-	-	-	1	-										
2. Joint Disease, &c. -	5·4	1	-	1	-	-	-	-										
ORDER 8.																		
1. Phlegmon -	3·0	1	1	-	-	-	-	-										
2. Ulcer -	9	-	1	-	-	-	-	-										
3. Skin Disease, &c. -	1·1	1	-	-	-	-	-	-										

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Insti- tutions.		
LONDON		2,803,989	2268	1394	281	238	3	32	68	6	61	13	15	11	13	51	81	2		
WEST DISTRICTS		458,125	323	222	39	56	1	3	14	1	11	2	1	2	2	10	19			
NORTH DISTRICTS		618,210	483	351	60	75	-	9	32	1	13	5	4	4	7	11	19			
CENTRAL DISTRICTS		383,321	233	189	33	33	2	7	7	-	7	1	1	-	-	10	12			
EAST DISTRICTS		571,158	511	260	62	51	-	7	4	-	11	3	5	1	2	12	19			
SOUTH DISTRICTS		773,175	728	372	87	73	-	6	11	4	19	2	4	4	2	8	12			
WEST DISTRICTS.																				
St. Mary Paddington WH		39015	32	18	6	6	-	-	1	-	1	-	-	-	-	-	-			
St. John Paddington H		36769	9	10	-	2	-	-	1	-	-	-	-	-	-	-	-			
Kensington Town W		51910	58	37	9	4	-	3	2	1	3	-	-	-	-	3	11			
Brompton H		18198	11	10	2	2	-	-	-	-	-	-	-	-	-	-	-			
St. Peter Hammersmith		5415	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Paul Hammersmith H		19104	31	12	1	6	1	-	1	-	1	-	-	-	-	-	-			
Fulham W		15539	19	9	2	3	-	-	-	-	1	-	-	-	-	-	-			
Chelsea South H		21654	18	9	1	4	-	-	1	-	-	-	-	1	-	-	-			
Chelsea North-west HW		19899	15	15	2	7	-	-	-	-	-	-	-	-	-	-	-			
Chelsea North-east		21886	12	15	3	4	-	-	1	-	-	-	1	1	-	-	-			
Hanover Square		19773	7	6	1	1	-	-	1	-	1	-	-	-	-	-	-			
May Fair W		12885	3	4	2	1	-	-	-	-	-	-	-	-	-	-	-			
Belgrave H		55113	29	22	2	5	-	-	2	-	2	-	-	-	-	2	2			
St. John Westminster		37483	21	13	3	2	-	-	-	-	2	1	-	-	-	-	-			
St. Margaret Westminster WH		30730	20	19	-	6	-	-	3	-	-	-	-	-	-	3	4			
St. James's Square		10753	5	2	-	1	-	-	-	-	-	-	-	-	-	-	-			
Golden Square W		13966	14	5	3	1	-	-	-	-	-	-	-	-	-	-	-			
Berwick-street		10607	6	6	1	1	-	-	-	-	-	-	-	-	-	1	1			
St. Anne Soho		17426	11	8	1	-	-	-	-	-	1	-	-	-	-	-	-			
NORTH DISTRICTS.																				
All Souls Marylebone H		29952	12	23	3	8	-	-	3	-	-	-	-	-	1	1	1			
Clarendon Square		15090	8	6	1	1	-	-	-	-	-	-	-	-	-	-	-			
Rectory Marylebone W		26692	19	22	3	4	-	5	-	-	1	-	-	-	-	1	-			
St. Mary Marylebone H		22493	26	13	5	6	-	1	1	-	-	-	-	-	-	-	-			
Christchurch Marylebone		34913	24	12	1	2	-	-	1	-	1	-	-	-	-	1	1			
St. John Marylebone		32540	22	15	6	3	-	1	1	-	1	-	-	-	-	-	-			
Hampstead WH		19106	13	14	1	3	-	-	2	-	1	-	-	-	1	-	-			
Regent's Park Pancras		34927	28	11	2	2	1	-	-	-	-	-	-	-	-	-	-			
Tottenham-court WH		29371	21	21	2	2	-	3	-	1	-	-	1	-	-	-	1			
Gray's Inn Lane H		27808	12	9	1	-	-	-	-	-	-	1	-	-	-	-	1			
Somers Town		39099	26	16	5	2	-	-	-	-	1	-	1	-	1	1	3			
Camden Town W		23266	15	19	3	10	-	-	-	-	-	-	1	-	-	3	5			
Kentish Town		44317	46	33	3	6	-	1	7	-	2	-	1	-	1	1	1			
Islington West* WHH		75442	74	56	9	5	-	-	9	-	3	3	2	1	1	2	2			
Islington East W		79899	58	37	8	9	-	1	-	-	-	-	-	-	3	2	4			
Stoke Newington		6608	7	3	-	2	-	-	-	-	-	-	-	1	-	-	1			
Stamford Hill		3453	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-			
West Hackney		24265	17	11	3	1	-	-	1	-	1	-	-	-	-	1	1			
Hackney WH		31481	32	21	3	6	-	-	1	1	-	-	-	-	-	-	-			
South Hackney L		15458	20	10	2	3	-	-	2	-	1	-	-	-	-	-	-			
CENTRAL DISTRICTS.																				
St. George Bloomsbury		17392	7	6	1	1	-	1	1	-	-	-	-	-	-	-	1			
St. Giles South WH		19483	22	11	2	3	1	-	-	-	1	-	-	-	-	-	-			
St. Giles North		17201	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-			
Long Acre		11618	7	4	-	1	-	-	-	-	-	-	-	-	-	-	-			
Charing Cross WH		11971	2	5	-	1	-	-	-	-	-	-	-	-	-	-	1			
St. Mary-le-Strand		10346	3	3	-	2	-	-	1	-	-	-	-	-	-	-	-			
St. Clement Danes H		15207	4	16	-	2	-	-	2	-	-	-	-	-	-	1	1			
St. George-the-Martyr H		19903	10	15	2	4	-	-	-	-	-	-	-	-	-	-	-			
St. Andrew East Holborn W		12947	9	10	2	1	-	1	-	-	1	-	-	-	-	-	2			
Saffron Hill		12012	7	5	-	-	-	-	1	-	1	-	-	-	-	-	-			
St. James Clerkenwell W		19152	14	11	4	2	-	1	-	-	-	-	-	-	-	-	-			
Amwell Clerkenwell		17250	9	6	1	1	-	-	-	-	1	-	-	-	-	-	1			
Pentonville		13079	10	4	1	-	-	-	-	-	-	-	-	-	-	-	-			
Goswell-street		16200	12	6	1	-	-	1	1	-	-	-	-	-	-	-	-			
Old-street		11504	15	5	2	1	-	-	-	-	1	-	-	-	-	-	-			
City-road HL		17860	15	12	3	2	-	-	-	-	-	-	1	-	-	3	2			
Whitecross street		14778	7	8	3	1	-	-	-	-	1	-	-	-	-	-	-			
Finsbury		12931	8	5	-	1	-	-	1	-	-	-	-	-	-	-	-			
St. Botolph East London		20990	18	12	3	3	1	2	-	-	-	-	-	-	-	1	-			
Cripplegate		19897	14	6	1	5	-	-	-	-	1	-	-	-	-	-	-			
St. Sepulchre WH		11750	4	23	1	5	-	1	-	-	-	1	-	-	-	5	4			
St. Bride W		15395	9	5	2	-	-	-	-	-	-	-	-	-	-	-	-			
Castle Baynard		7762	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Christchurch		9020	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-			
Queenhithe		8570	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Allhallows Barking		8659	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Broad Street		11544	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-			

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Public Officials of Institutions are not included.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 rday, 30th April 1870.

The DEATHS registered in the Week include																	
REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erietic (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																	
Well Shoreditch	17313	5	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch L†	19188	12	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
ton New Town w	26316	25	11	4	5	-	-	-	-	-	-	-	-	-	-	1	5
ton Old Town	25777	16	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gerstone West W	23260	22	15	5	2	1	-	-	-	3	-	3	-	-	-	-	4
gerstone East	17310	19	6	3	1	-	-	-	-	1	-	-	-	-	2	3	4
key road	26298	34	10	-	2	-	-	-	-	1	1	-	-	-	-	-	-
en, Bethnal Green WH†	31759	42	13	2	3	-	-	1	-	-	1	-	-	1	-	-	4
urch, Bethnal Green	25528	24	7	4	1	-	-	1	-	1	-	-	-	-	-	-	-
rn, Bethnal Green	21486	16	6	2	2	-	-	-	-	1	-	-	-	-	-	-	-
lery Whitechapel	6557	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
alfields	15700	8	4	1	-	-	-	-	-	1	-	-	-	-	-	-	-
End New Town W	15392	19	12	2	4	-	1	-	-	1	-	-	-	-	1	1	7
Whitechapel North	12122	8	4	2	-	-	-	-	-	-	-	-	-	-	-	4	-
Whitechapel Church H	8062	5	21	-	1	-	-	-	-	-	-	-	-	1	4	7	18
ldman's Fields	11166	4	6	2	-	-	1	-	-	1	-	-	-	-	-	-	-
gate	9971	7	4	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Mary St. George East	18181	16	7	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Paul St. George East	21015	17	7	1	3	-	-	-	-	-	1	-	-	-	-	-	-
John St. George East W	9695	6	6	3	1	-	1	-	-	-	-	-	-	-	-	-	2
dwell W	12537	3	4	1	-	-	-	-	-	-	1	-	-	-	-	2	-
cliff WH	16874	12	4	2	-	-	-	-	-	-	-	-	-	-	2	-	1
ehouse W	27161	22	9	3	1	-	-	-	-	-	-	-	-	-	-	-	1
End Old Town West	33747	31	13	4	3	-	-	-	-	1	-	-	-	-	-	-	-
End Old Town East Ww	39317	42	18	5	3	-	-	-	-	1	-	1	-	-	-	1	1
y WwL†	35667	52	33	6	9	-	1	-	-	-	-	-	-	-	1	-	11
lar W	43529	38	22	3	6	-	1	2	-	-	-	1	1	-	2	3	2
SOUTH DISTRICTS.																	
Whitechurch Southwark W	17069	11	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Saviour Southwark H	19101	11	6	-	2	-	-	-	-	-	-	-	-	-	1	-	1
st-road	18552	16	8	1	3	-	-	-	-	1	-	-	-	-	-	-	-
ough-road W	16698	12	4	1	1	-	-	-	-	-	-	-	-	-	-	-	1
don road L	19190	16	10	2	-	-	-	-	-	-	1	-	-	-	-	-	-
city Newington	22675	13	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Peter Walworth W	44463	44	22	10	3	-	-	1	-	-	-	-	-	-	-	-	-
Mary Newington H	15082	10	14	5	1	-	-	2	-	1	-	-	-	-	-	-	6
Olave Southwark H	7663	-	13	1	-	-	-	-	-	-	-	-	-	-	3	3	10
John Horsleydown W	11303	5	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ther Market	16696	20	11	3	3	-	-	-	-	-	-	1	1	-	-	-	-
Mary Magdalen W	16505	20	6	1	1	-	-	-	-	1	-	-	-	-	-	-	2
James Bermondsey	25154	39	15	6	1	-	-	-	-	-	-	-	-	-	-	1	-
berththe W	24502	20	5	2	1	-	-	-	1	-	-	-	-	-	-	-	-
terloo-road 1st	15269	18	7	2	-	-	-	-	-	3	-	-	-	-	-	-	-
terloo-road 2nd H	18640	16	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
abeth Church 1st	19639	16	12	4	-	-	-	-	-	4	-	-	-	-	2	1	-
abeth Church 2nd W	20542	27	19	4	7	-	1	-	-	-	1	-	-	-	-	-	6
nington 1st	30755	25	14	3	2	-	1	-	-	1	-	-	-	-	1	1	-
nington 2nd	20440	20	11	3	3	-	-	-	-	1	-	-	-	-	-	-	-
xton	20067	24	12	4	4	-	-	-	-	1	-	1	-	-	-	-	-
wood W	7462	8	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-
pham	20894	14	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-
tersea W	19300	44	24	5	2	-	-	2	1	-	-	2	2	-	1	1	3
ndsworth L	13346	13	9	2	2	-	-	-	-	1	-	-	-	-	-	-	-
ney	6481	6	3	-	1	-	-	-	-	-	-	-	-	1	-	-	-
atham	10982	12	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-
wich	1723	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
berwell W†L†	21297	12	7	-	2	-	-	1	-	-	-	-	-	-	-	-	1
khaw W	23135	34	9	3	2	-	-	-	-	-	-	-	-	-	-	-	-
George Camberwell	20333	26	14	7	2	-	1	1	1	-	1	-	-	-	-	1	-
Paul Deptford	37834	47	22	5	4	-	-	3	-	1	-	-	-	-	-	1	-
Nicholas Deptford	6139	5	5	-	2	-	1	-	-	-	-	-	-	-	-	-	-
enwich West H	21696	23	8	2	-	-	-	1	-	1	-	-	-	-	-	-	-
enwich East WH	18306	12	7	1	4	-	-	-	-	-	-	-	-	-	-	-	2
ham	3009	5	3	-	1	-	-	-	-	-	-	-	1	-	-	-	-
isham Village W	11003	7	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
enham	7872	13	6	1	1	-	-	-	-	-	-	-	-	1	-	-	2
enham	10595	13	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-
rlton H	9276	4	3	1	1	-	-	-	-	1	-	-	-	-	-	-	-
olwich Dockyard H	22919	8	4	-	-	-	-	1	-	-	-	-	-	-	-	1	-
olwich Arsenal H	18776	12	8	1	-	-	-	-	1	1	-	-	-	-	-	-	-
unstead West	15	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
unstead East	24502	11	5	-	2	-	-	1	-	-	-	-	-	-	-	-	-

following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
 The Strand " " Tottenham-court sub-district.
 London City " " Islington East.
 Do. do. " " Hackney sub district.

Holborn Workhouse is in Hoxton New Town sub-district.
 London City " " Mile End Old Town Eastern sub-dist. and
 Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 30th APRIL 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BAROMETER.		READINGS OF THERMOMETERS.					DIFFERENCE.				WIND.				RAIN.								
Phases of Moon.		Mean falling and rising.	Corrected and reduced to 32° Fahr. (height).	Dry.		Dew Point.	Highest in the sun, as shown by a self-registering thermometer.	Lowest in the sun, as shown by a self-registering thermometer.	In the Water of the Thames at low water, as shown by a self-registering thermometer.	Between Dew Point and Air Temperature.		Between temperature of the day and night on the same day.		As deduced from Anemometers.		Collected on the Gauge whose receiving surface is above the ground.									
		High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Great-est.	Least est.	Mean daily value.	Great-est.	Least.	Mean of 24 (Hrs.)										
APRIL.																									
SUNDAY	24	in.	30.205	63.6	40.5	23.1	51.2	43.1	118.5	32.5	0	0	0	0	0	0	0								
MONDAY	25	..	30.176	67.0	47.1	19.9	55.4	46.6	97.5	40.7	..	..	..	..	..	..	..	
TUESDAY	26	..	29.934	62.8	39.7	23.1	49.8	43.0	121.3	35.2	..	..	..	..	..	..	..	
WEDNESDAY	27	..	29.960	54.2	39.0	15.2	45.5	36.6	97.1	28.3	..	..	..	..	..	..	..	
THURSDAY	28	In Equinox	29.906	51.0	37.6	13.4	40.7	31.5	104.0	30.0	..	..	..	..	..	..	..	
FRIDAY	29	Apogee	29.778	52.7	36.2	16.5	43.6	36.0	98.6	27.5	..	..	..	..	..	..	..	
SATURDAY	30	New	29.521	57.8	40.3	17.5	47.8	45.2	71.0	40.0	..	..	..	..	..	..	..	
MEANS		..	29.926	58.4	40.1	18.4	47.7	40.3	101.1	33.5	..	..	..	..	..	..	..	
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

NOTES.

The height of the stem of the barometres considered to be 130 feet above the mean level of the sea. The readings of the barometer are considered to be concurrent with those of the Royal Society's first glass standard barometer. The observations of A.M.; P.M.; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer observed at these times are converted into mean daily values by the application of corrections deduced, by James Glaisher, F.R.S., from five previous point observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometers of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. Fourth edition. The results of observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1883, December 31. *In reading the 17th column it will be borne in mind that + is read "higher," and "— lower." The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 30·22 in. at the beginning of the week to 30·24 in. by 9h. A. M. on the 24th; decreased to 29·89 in. by 9h. P. M. on the 26th; increased to 29·99 in. by 9h. P. M. on the 27th; and decreased to 29·43 in. by the end of the week.

SKY AND ATMOSPHERE.

Generally cloudy till evening, then cloudless. A fine day.

A fine day; partially cloudy.

Fine, and partially cloudy till evening; afterwards overcast, and thin rain fell.

Partially cloudy. Occasional showers of rain. Thunder heard about noon.

Generally cloudy. Rain fell occasionally during the early morning hours, and a little hail also fell.

Fine, but generally cloudy during the morning; overcast afterwards, and rain fell occasionally.

Generally overcast. Rain fell in the early morning hours.

ELECTRICITY.

APRIL.	24	25	26	27	28	29	30
	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

~~~~~  
By Authority of the Registrar General.  
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PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 18. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, MAY 7. [Price 1d.

*General Register Office, Somerset House,
9th May 1870.*

DURING the week ending Saturday the 7th instant, 5273 *births* and 3139 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 23 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 21 per 1000, Portsmouth 22, Norwich 22, Bristol 31, Wolverhampton 26, Birmingham 20, Leicester 20, Nottingham 24, Liverpool 24, Manchester 26, Salford 15, Bradford 26, Leeds 24, Sheffield 21, Hull 18, Sunderland 15, and Newcastle-upon-Tyne 24. During the last five weeks the annual rate of mortality in these Seventeen Towns has averaged 24 per 1000, which is 3 per 1000 below the average for the preceding 13 weeks; and the proportion of deaths resulting from the seven principal zymotic diseases has fallen from 15·7 to 14·7 per cent. in the same interval. The proportion of deaths under one year of age to the registered births has decreased from an average of 15·7 to 14·9 per cent.; but while the mortality of recent weeks has been marked by a diminished fatality to old people, infants in their first year have died at a slightly advanced rate.

In Edinburgh the deaths registered last week were at the annual rate of 26 per 1000 persons living, in Glasgow 30 per 1000, and in Dublin 22.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 33 per 1000 persons living. Small-pox caused 133 deaths, as compared with 166 and 132 in the two previous weeks.

In Berlin the deaths recorded during the seven days ending 5th May gave an annual rate of 28 per 1000, and in Vienna during the week ending 30th ultimo, a rate of 41 per 1000.

In the city of Bombay the deaths registered during the week ending April 12th were 284, and the mortality was at the annual rate of 18 per 1000.

In LONDON the *births* of 1148 boys and 1129 girls, in all 2277 children, were registered last week. The *deaths* registered in the same time were 1314. During the corresponding weeks of ten previous years the registered births averaged 2045, and the deaths 1330 per week; after making due allowance for increase of population, the average for the past week is estimated at 2250 births and 1463 deaths; the registered births, therefore, were 27 above, and the deaths 149 below, the estimated average.

The deaths under 5 years of age were 515, at the ages 5 to 20 years they were 95, at 20 to 40 years 199, at 40 to 60 years 242, at 60 to 80 years 219, and 44 at 80 years and upwards. Of infants in their first year 261 died, and 259 persons aged 60 and upwards.

The mortality in the Western group of Districts was at the annual rate of 22, in the Northern group of 20, in the Central group of 23, in the Eastern group of 22, and in the Southern group of 21 per 1000 persons living.

Zymotic diseases caused 266 deaths, including 9 from small-pox, 49 from measles, 74 from scarlet fever, 1 from diphtheria, 8 from croup, 33 from whooping-cough, 8 from typhus, 11 from enteric (or typhoid) fever, 12 from simple continued fever, 6 from erysipelas, and 14 from diarrhoea. Measles was more fatal than in any previous week of this year, while the deaths from whooping-cough fell from an average of 60 per week to 33. Forty-four deaths resulted from violence; of these 36 were accidental, including 21 fractures, 3 burns, 7 by drowning. Two infants died by suffocation, and a butcher aged 65 years, died on 28th April at Holborn Workhouse by "suffocation from impaction of a piece of meat in his throat." *Post mort.* (*Inquest.*) Eight suicides were recorded.

Three fatal street accidents were registered last week :—A tailor, aged 81 years, died on 30th April at St. Mary's Hospital, from injuries, by being run over by a horse and cab; a waterman, aged "about 70 years," died on 2d May at Guy's Hospital, from fractured pelvis and ruptured bladder, caused by a cart wheel on London Bridge; and a woman, aged "about 45 years," died on 27th April at Guy's Hospital, from injuries to spine, ribs, and lungs, she having been run over by a van in the Old Kent Road.

In the Public Institutions of the Metropolis 231 deaths were registered; of these 122 occurred in Workhouses, 3 in Military and Naval Asylums, 70 in General Hospitals, 23 in Hospitals for special diseases, 1 in Military and Naval Hospitals, 3 in Hospitals and Asylums for Foreigners, and 8 in Lunatic Asylums. In four Lying-in Hospitals, viz., Queen Charlotte's, British, City of London, and York-road, the death of one child was returned last week; during the present year 17 women and 16 children have died in these four institutions.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follows :—Mean reading of the *barometer* 29·917 in.; the highest was 30·16 in. on the 7th instant, and the lowest was 29·37 in. on the 1st instant. The mean temperature of the *air* was 45°·6, or 5°·4 below the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 60°·9 on Thursday; the lowest night temperature was 31°·5 on Wednesday; the entire range of temperature in the week was, therefore, 29°·4. The highest temperature in the sun was 118°·5 on Wednesday. The mean temperature was below the average on every day of the week, the greatest deficiency being 10°·6 on Tuesday. The difference between the mean *dew-point* temperature and *air* temperature was 7°·1. The mean degree of *humidity* of the air was 76, complete saturation being represented by 100. *Rain* fell only on one day in the week (Monday), and the amount measured was 0·02 in. The general direction of the *wind* was variable; and the horizontal movement of the air amounted to 9·3 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 42°·9 in Hull, to 47°·4 in Portsmouth; the lowest recorded night temperature was 29°·0 in Hull, and the highest day temperature in the shade was 67°·0 in Wolverhampton. A little rain fell in all the towns, but the largest quantity measured was 0·32 in. at Nottingham and Hull.

The Centigrade graduation has many advantages over that of Fahrenheit : (1) Its zero 0° is at the freezing point of water; (2) its 100° is the boiling point of water. Degrees below zero are degrees of cold, and are preceded by the *minus* sign; thus –3° may be read 3 degrees of cold, or 3 degrees below zero. The zero of Fahrenheit is 32° below the freezing-point of water; 212° mark the temperature of boiling water. In Centigrade degrees the mean temperature of the air last week at Greenwich was 7°·6; the highest day temperature in the shade was 16°·1; the lowest night temperature was –0°·3; the highest temperature in the sun was 48°·1. The mean temperature of the week on an average of 50 years was 10°·6, or 3°·0 above the temperature of last week. The wind blew at the rate of 14·9 kilometers an hour, and the rain-fall was ·05 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 180,485 cubic metres, and at Barking 157,964 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the EIGHTEENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1803	2008	1971	1975	1879	2074	2002	2381	2331	2025	2044·9	2277
Males . .	903	951	987	1002	967	1006	1003	1193	1198	1063	1027·3	1148
Females .	900	1057	984	973	912	1068	999	1188	1133	962	1017·6	1129
TOTAL Deaths	1205	1261	1314	1374	1317	1236	1545	1237	1392	1421	1330·2	1314
Males . .	612	652	659	705	651	627	782	642	696	717	674·3	680
Females .	593	609	655	669	666	609	763	595	696	704	655·9	634

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69, after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Feb. 12.	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.	Mar. 2.	Apr. 9.	Apr. 16.	Apr. 23.	Apr. 30.	May 7.
TOTAL Deaths - - -	1568	1716	1861	1673	1499	1532	1478	1625	1631	1475	1487	1394	1314*
Deaths under 5 years of age -	616	687	713	640	547	613	577	665	626	591	611	538	515
Deaths 5-20 - - -	117	123	120	116	93	101	104	120	111	86	119	109	95
Deaths 20-40 - - -	188	225	214	218	221	218	217	214	213	196	208	220	199
Deaths 40-60 - - -	279	298	313	286	280	259	241	281	292	261	252	238	242
Deaths 60-80 - - -	310	311	412	341	344	272	271	269	311	280	264	234	219
Deaths at 80 years & upwards	58	72	89	72	54	69	68	76	78	61	52	55	44
Deaths from Small-pox -	4	10	11	8	6	3	5	8	8	2	10	3	9
" " Measles - - -	23	17	18	21	17	20	19	30	34	28	32	32	49
" " Scarlet Fever -	103	104	111	78	69	81	56	78	71	70	77	68	74
" " Diphtheria - -	3	3	5	8	6	4	5	2	3	9	3	6	1
" " Whooping-cough	65	61	79	53	49	65	53	68	61	55	51	61	33
" " Typhus fever -	6	9	8	6	4	8	10	6	6	6	10	13	8
" " Enteric (or Typhoid) fever -	22	21	11	14	19	8	16	11	18	16	18	15	11
" " Simple Contagious fever	5	9	13	15	10	13	10	12	14	8	10	11	12
" " Diarrhoea - - -	11	20	15	16	14	11	9	13	16	18	17	13	14
" " Phthisis - - -	170	191	226	171	209	193	184	202	198	200	173	193	188
" " Bronchitis - - -	265	335	323	305	232	212	221	231	259	196	176	133	123
" " Pneumonia - - -	74	109	90	89	98	85	93	107	107	66	91	86	67
" " Heart Disease -	66	76	77	76	54	74	65	76	69	65	78	64	51
Mean Temperature of the Air	32·4	30·7	36·9	45·8	33·4	41·0	38·1	37·2	45·5	50·1	55·0	47·7	45·6
Mean Temperature of the Water of the Thames	37·8	31·5	33·2	40·2	39·6	42·3	43·4	39·4	43·4	45·3	—	—	—
Humidity of the Air - -	72	74	75	85	81	82	82	80	71	71	61	76	76
Rain-fall in inches - -	0·25	0·05	0·05	1·22	0·02	0·44	0·37	0·00	0·07	0·07	0·00	0·13	0·02

* The return for the sub-district of All Souls (Marylebone) was not received when the tables were under preparation, but an average of 20 is substituted for the true number, which is 12.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. Melandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Pilliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 7th day of May 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 7th May.	DEATHS registered during the Week ending 7th May.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTIGRADE.)		RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Cent.	
Total of 20 TOWNS in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	5273	3139	67·0	29·0	45·7	7·61	0·13	0·	
LONDON - - -	77,997	3,214,707	41·2	2277	1314	60·9	31·5	45·6	7·55	0·02	0·	
PORTSMOUTH - -	9,513	122,084	12·8	88	51	64·1	32·9	47·4	8·55	0·04	0·	
NORWICH - - -	7,472	81,087	10·9	56	34	57·5	35·0	43·6	6·44	0·26	0·	
BRISTOL - - -	4,688	171,332	36·6	118	101	65·5	31·4	45·3	7·39	0·02	0·	
WOLVERHAMPTON -	3,387	72,990	21·5	59	37	67·0	32·2	45·8	7·66	0·02	0·	
BIRMINGHAM - -	7,831	369,604	47·2	244	142	62·2	35·3	46·1	7·83	0·28	0·	
LEICESTER - - -	3,200	97,427	30·4	84	37	62·7	33·0	45·1	7·28	0·18	0·	
NOTTINGHAM - -	1,996	88,888	44·5	57	41	62·0	32·5	45·8	7·66	0·32	0·	
LIVERPOOL - - -	5,108	517,567	101·3	384	243	57·4	37·5	45·5	7·50	0·05	0·	
MANCHESTER - -	4,486	374,993	83·6	263	187	65·0	30·8	46·1	7·83	0·03	0·	
SALFORD - - -	5,172	121,580	23·5	94	36	63·4	30·5	45·1	7·28	0·09	0·	
BRADFORD - - -	6,590	143,197	21·7	94	72	63·8	35·0	45·7	7·61	0·23	0·	
LEEDS - - -	21,572	259,527	12·0	272	120	64·0	36·0	45·7	7·61	0·26	0·	
SHEFFIELD - - -	22,830	247,378	10·8	205	98	63·0	35·5	46·1	7·83	0·08	0·	
HULL - - -	3,562	130,869	36·7	90	46	60·0	29·0	42·9	6·06	0·32	0·	
SUNDERLAND - -	3,306	100,979	30·5	45	29	—	—	—	—	—	—	
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	102	61	57·0	34·0	43·1	6·17	0·13	0·	
EDINBURGH - - -	4,427	178,970	40·4	137	88	59·7	36·0	43·3	9·05	0·00	0·	
GLASGOW - - -	5,063	468,189	92·5	423	268	65·0	31·1	47·4	8·55	0·01	0·	
DUBLIN - - -	9,745	321,540	33·0	181	134	61·0	33·0	48·0	8·80	0·08	0·	
PARIS - - -	7,802	1,889,842	242	—	1217	—	—	—	—	—	—	
						Week ending 30th April 1870.						
VIENNA - - -	3,728*	622,087	167	—	490	—	—	51·3	10·75	—	—	
						Week ending 5th May 1870.						
BERLIN - - -	6,253	800,000	123	664	432	—	—	48·9	9·38	—	—	

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 7th day of May 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	
LONDON - - -	21	1314	261	259	9	49	74	1	33	31	14	44	73	2
PORTSMOUTH - -	22	51	6	8	—	1	1	—	1	3	—	2	2	
NORWICH - - -	22	34	13	8	—	—	—	—	1	3	1	1	1	
BRISTOL - - -	31	101	18	27	—	3	7	2	3	1	2	3	4	
WOLVERHAMPTON -	26	37	9	4	—	1	—	—	2	2	—	3	4	
BIRMINGHAM - -	20	142	40	24	—	3	9	—	5	1	1	3	10	
LEICESTER - - -	20	37	10	8	—	—	—	1	—	1	—	—	2	
NOTTINGHAM - -	24	41	11	12	—	1	—	—	1	1	1	—	1	
LIVERPOOL - - -	24	243	60	60	—	1	14	1	3	5	8	9	15	
MANCHESTER - -	26	187	37	33	2	—	3	1	10	7	1	3	10	
SALFORD - - -	15	36	9	11	—	—	1	—	1	1	1	2	3	
BRADFORD - - -	26	72	21	10	—	3	4	—	2	2	—	1	3	
LEEDS - - -	24	120	28	13	—	1	8	1	—	6	3	1	1	
SHEFFIELD - - -	21	98	23	21	—	—	8	—	—	2	—	1	2	
HULL - - -	18	46	11	15	—	—	6	—	—	—	1	1	1	
SUNDERLAND - -	15	29	8	9	—	—	—	—	2	—	—	—	—	
NEWCASTLE-ON-TYNE	24	61	10	15	—	—	2	—	4	2	2	—	—	
DUBLIN - - -	22	134	23	31	—	—	5	—	2	4	—	2	3	

TABLE 5.—DEATHS IN LONDON Registered in the EIGHTEENTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Eighteenth Week in the 10 years 1860-69.	In the Week ending Saturday, May 7, 1870.								Averages of the Eighteenth Week in the 10 years 1860-69.	In the Week ending Saturday, May 7, 1870.									
			Deaths of Persons of the Ages									Deaths of Persons of the Ages									
			ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.	ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.	80 Years and upwards.
				Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.					Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.		
Mean Temperature -		50° 2	45° 6	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		50° 2	45° 6	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			
ALL CAUSES -		1330° 2	1814° 7	505	94	197	239	216	43		1330° 2	1814° 7	505	94	197	239	214	43			
SPECIFIED CAUSES		1316° 1	1289	503	93	197	239	214	43		1316° 1	1289	503	93	197	239	214	43			
ZYMOTIC DISEASES.																					
ORDER 1.																					
Small-pox -		20° 2	9	4	4	1	-	-	-		20° 2	9	4	4	1	-	-	-			
Measles -		35° 9	49	44	5	-	-	-	-		35° 9	49	44	5	-	-	-	-			
Scarlet Fever (Scarlatina) -		38° 3	74	48	23	3	-	-	-		38° 3	74	48	23	3	-	-	-			
Diphtheria -		8° 3	1	1	-	-	-	-	-		8° 3	1	1	-	-	-	-	-			
Quinsy -		1° 3	1	1	-	-	-	-	-		1° 3	1	1	-	-	-	-	-			
Croup -		13° 1	8	7	1	-	-	-	-		13° 1	8	7	1	-	-	-	-			
Whooping-cough -		68° 8	83	33	1	3	2	1	-		68° 8	83	33	1	3	2	1	-			
Typhus -		47° 8	11	4	4	5	2	1	-		47° 8	11	4	4	5	2	1	-			
Enteric or Typhoid Fever -		4° 6	12	4	5	-	-	-	-		4° 6	12	4	5	-	-	-	-			
Simple continued Fever -		4° 4	6	1	-	-	-	-	-		4° 4	6	1	-	-	-	-	-			
Erysipelas -		3° 8	7	-	-	-	-	-	-		3° 8	7	-	-	-	-	-	-			
Puerperal Fever (Metritis) -		1° 1	-	-	-	-	-	-	-		1° 1	-	-	-	-	-	-	-			
Carbuncle -		1° 6	1	1	-	-	-	-	-		1° 6	1	1	-	-	-	-	-			
Dysentery -		14° 7	14	9	-	1	1	2	1		14° 7	14	9	-	1	1	2	1			
Diarrhoea -		4°	-	-	-	-	-	-	-		4°	-	-	-	-	-	-	-			
Simple Cholera -		1° 2	-	-	-	-	-	-	-		1° 2	-	-	-	-	-	-	-			
Ague -		6° 9	10	-	3	3	2	2	-		6° 9	10	-	3	3	2	2	-			
Remittent Fever -		1°	2	2	-	-	-	-	-		1°	2	2	-	-	-	-	-			
Rheumatism -		1°	1	-	-	-	-	-	-		1°	1	-	-	-	-	-	-			
Other Zymotic Diseases -		7° 7	11	8	-	2	1	-	-		7° 7	11	8	-	2	1	-	-			
ORDER 2.		1° 1	-	-	-	-	-	-	-		1° 1	-	-	-	-	-	-	-			
Syphilis -		6° 3	4	2	-	-	-	-	-		6° 3	4	2	-	-	-	-	-			
Stricture of Urethra -		3° 2	-	-	-	-	-	-	-		3° 2	-	-	-	-	-	-	-			
Hydrophobia -		2° 0	1	-	-	-	1	-	-		2° 0	1	-	-	-	1	-	-			
Glanders -		1° 0	-	-	-	-	-	-	-		1° 0	-	-	-	-	-	-	-			
ORDER 3.		6° 3	4	2	-	-	-	-	-		6° 3	4	2	-	-	-	-	-			
Privation -		1° 8	2	2	-	-	-	-	-		1° 8	2	2	-	-	-	-	-			
Want of Breast-milk -		3° 2	-	-	-	-	-	-	-		3° 2	-	-	-	-	-	-	-			
Purpura and Scoury -		2° 0	1	-	-	-	1	-	-		2° 0	1	-	-	-	1	-	-			
Alcohol - a Del. Tremens -		2° 0	1	-	-	-	-	-	-		2° 0	1	-	-	-	-	-	-			
Alcohol - b Intemperance -		2° 0	1	-	-	-	-	-	-		2° 0	1	-	-	-	-	-	-			
ORDER 4.		2° 3	2	2	-	-	-	-	-		2° 3	2	2	-	-	-	-	-			
Thrush -		4°	-	-	-	-	-	-	-		4°	-	-	-	-	-	-	-			
Worms, &c. -		2° 3	2	2	-	-	-	-	-		2° 3	2	2	-	-	-	-	-			
CONSTITUTIONAL DIS.																					
ORDER 1.		1° 5	1	-	-	-	-	1	3		1° 5	1	-	-	-	-	1	3			
Gout -		12° 5	16	3	-	5	4	1	3		12° 5	16	3	-	5	4	1	3			
Dropsy -		29° 0	26	-	1	2	12	11	-		29° 0	26	-	1	2	12	11	-			
Cancer -		5°	-	-	-	-	-	-	-		5°	-	-	-	-	-	-	-			
Cancer - Caecum Oris (Noma) -		3° 3	5	-	-	-	4	1	-		3° 3	5	-	-	-	4	1	-			
Mortification -		10° 8	6	2	1	-	2	1	-		10° 8	6	2	1	-	2	1	-			
ORDER 2.		18° 5	24	22	2	-	-	-	-		18° 5	24	22	2	-	-	-	-			
Scrofula -		178° 1	188	16	19	94	51	8	-		178° 1	188	16	19	94	51	8	-			
Tabes Mesenterica -		33° 1	28	26	2	-	-	-	-		33° 1	28	26	2	-	-	-	-			
Puritis -		33° 1	28	26	2	-	-	-	-		33° 1	28	26	2	-	-	-	-			
Hydrocephalus -																					
LOCAL DISEASES.																					
ORDER 1.		15° 5	19	13	3	1	2	-	-		15° 5	19	13	3	1	2	-	-			
Cephalitis -		33° 3	30	5	-	3	10	12	-		33° 3	30	5	-	3	10	12	-			
Apoplexy -		30° 0	25	-	-	5	9	10	1		30° 0	25	-	-	5	9	10	1			
Paralysis -		1° 3	3	-	-	1	-	1	1		1° 3	3	-	-	1	-	1	1			
Insanity -		3°	-	-	-	-	-	-	-		3°	-	-	-	-	-	-	-			
Chorea -		6° 6	10	-	1	3	4	2	-		6° 6	10	-	1	3	4	2	-			
Epilepsy -		51° 5	54	52	1	-	-	1	-		51° 5	54	52	1	-	-	1	-			
Convulsions -		16° 6	16	2	2	2	2	6	2		16° 6	16	2	2	2	2	6	2			
Brain Disease, &c. -																					
ORDER 2.		2° 9	1	-	-	-	1	-	-		2° 9	1	-	-	-	1	-	-			
Pericarditis -		2° 2	4	-	-	1	2	1	-		2° 2	4	-	-	1	2	1	-			
Aneurism -		55° 0	51	2	-	9	21	19	-		55° 0	51	2	-	9	21	19	-			
Heart Disease, &c. -																					
ORDER 3.		7° 6	6	6	-	-	-	-	-		7° 6	6	6	-	-	-	-	-			
Laryngitis -		123° 2	123	39	-	3	27	47	7		123° 2	123	39	-	3	27	47	7			
Bronchitis -		2° 6	2	-	-	1	1	-	-		2° 6	2	-	-	1	1	-	-			
Pleurisy -		70° 9	67	36	4	5	15	7	-		70° 9	67	36	4	5	15	7	-			
Pneumonia -		6° 7	6	-	-	1	2	3	-		6° 7	6	-	-	1	2	3	-			
Asthma -		11° 7	19	4	-	5	4	5	1		11° 7	19	4	-	5	4	5	1			
Lung Disease, &c. -																					
ORDER 4.		2° 1	1	-	-	1	-	1	-		2° 1	1	-	-	1	-	1	-			
Gastritis -		7° 4	7	4	1	1	1	2	-		7° 4	7	4	1	1	1	2	-			
Enteritis -		4° 5	5	1	-	-	3	1	-		4° 5	5	1	-	-	3	1	-			
Peritonitis -		3° 0	4	-	-	-	-	-	-		3° 0	4	-	-	-	-	-	-			
Ascites -		3° 0	2	-	-	-	1	1	-		3° 0	2	-	-	-	1	1	-			
Ulceration of Intestines -		2° 5	6	-	-	1	1	4	-		2° 5	6	-	-	1	1	4	-			
Hernia -		4° 0	3	1	-	-	-	1	1		4° 0	3	1	-	-	-	1	1			
Ileus -		3°	-	-	-	-	-	-	-		3°	-	-	-	-	-	-	-			
Intussusception -																					
CAUSES OF DEATH.																					
Mean Temperature -		50° 2	45° 6	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		50° 2	45° 6	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			
9. Stricture of Intestines -		8°	1	-	-	-	-	-	-		8°	1	-	-	-	-	-	-			
10. Fistula -		3°	1	-	-	-	-	-	-		3°	1	-	-	-	-	-	-			
11. Stomach Disease, &c. -		5° 7	10	2	-	2	3	2	1		5° 7	10	2	-	2	3	2	1			
12. Puerperal Disease, &c. -		1°	1	-	-	-	-	-	-		1°	1	-	-	-	-	-	-			
13. Hepatitis -		3° 4	1	-	-	-	-	-	-		3° 4	1	-	-	-	-	-	-			
14. Jaundice -		5° 0	3	-	-	-	-	1	1		5° 0	3	-	-	-	1	1	-			
15. Liver Disease, &c. -		14° 6	18	1	-	2	9	6	-		14° 6	18	1	-	2	9	6	-			
16. Spleen Disease, &c. -		1°	-	-	-	-	-	-	-		1°	-	-	-	-	-	-	-			
ORDER 5.																					
1. Nephritis -		6°	2	-	-	-	2	-	-		6°	2	-	-	-	2	-	-			
2. Icturia -																					

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
LONDON		2,803,989	2277	1314	261	259	9	49	74	1	33	8	11	12	14	44	73	2
WEST DISTRICTS		458,125	348	233	57	34	2	6	15	-	9	1	2	2	-	12	18	
NORTH DISTRICTS		618,210	521	287	64	57	5	13	23	-	7	4	1	2	3	5	11	
CENTRAL DISTRICTS		385,321	230	157	21	27	-	14	3	1	4	-	2	3	1	7	13	
EAST DISTRICTS		571,158	501	260	55	63	-	5	9	-	9	3	3	1	5	4	10	
SOUTH DISTRICTS		773,175	687	377	64	78	2	11	25	-	4	-	3	4	5	16	21	
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	49	23	6	3	-	-	2	-	2	-	-	-	-	-	-	
St. John Paddington H		38739	7	14	3	1	-	-	1	-	1	-	1	-	-	5	4	
Kensington Town W		51910	67	32	5	9	-	-	1	-	-	-	-	-	-	-	2	
Brompton H		18193	16	12	1	-	-	-	1	-	-	-	1	-	-	-	-	
St. Peter Hammersmith		5415	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	24	14	8	1	-	-	2	-	2	-	-	-	-	1	-	
Fulham W		15539	11	8	2	-	-	-	1	-	-	-	-	-	-	-	-	
Chelsea South H		21654	20	12	2	2	-	-	1	-	-	-	-	-	-	-	1	
Chelsea North-west HW		19899	18	10	1	3	-	-	1	-	-	-	-	-	-	-	-	
Chelsea North-east		21886	13	7	3	-	-	2	-	-	-	-	-	-	-	-	-	
Hanover Square		19773	6	4	1	-	-	1	-	-	-	-	-	-	-	-	-	
May Fair W		12885	4	4	-	1	-	-	-	-	-	-	-	-	-	-	2	
Belgrave H		55113	28	25	7	4	-	-	2	-	2	-	-	1	-	2	2	
St. John Westminster		37483	35	20	4	2	-	-	1	-	-	-	1	-	-	1	2	
St. Margaret Westminster WH		30730	16	21	5	6	-	-	1	-	1	-	-	-	3	7	-	
St. James's Square		10753	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		13965	9	8	2	2	-	1	-	-	-	-	-	-	-	-	-	
Berwick-street		10697	6	6	3	-	-	1	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17426	12	9	3	-	-	1	-	1	-	1	-	-	-	-	-	
NORTH DISTRICTS.																		
All Souls Marylebone H †		29952	19	20	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cavendish Square		15090	8	5	2	-	-	1	-	-	1	-	-	-	-	-	-	
Rectory Marylebone W		26692	15	19	8	5	-	-	2	-	2	-	-	-	2	1	1	
St. Mary Marylebone H		22493	27	9	2	2	-	2	-	-	-	-	-	-	-	-	-	
Christchurch Marylebone		34913	22	11	2	6	-	-	-	-	1	-	-	-	-	1	1	
St. John Marylebone		32540	21	12	-	3	-	1	1	-	-	-	-	-	-	-	1	
Hampstead WH		19106	10	6	-	1	-	-	2	-	-	-	-	-	-	-	-	
Regent's Park Pancras		34927	23	9	2	-	-	-	2	-	-	-	-	-	-	-	-	
Tottenham-court WH		29371	19	19	5	2	-	-	1	-	-	-	-	-	-	-	-	
Gray's Inn Lane H		27308	15	12	3	3	-	2	3	-	-	-	-	1	1	-	-	
Somers Town		39099	40	8	2	3	-	-	-	-	-	-	-	-	-	-	-	
Camden Town W		23266	27	9	4	2	-	-	-	-	-	-	-	-	-	-	-	
Kentish Town		44317	63	22	6	3	-	1	1	-	1	-	-	-	-	-	1	
Islington West* WHH		75142	75	52	9	7	5	3	6	-	4	-	1	-	-	-	-	
Islington East Ww		79599	68	34	11	7	-	3	2	-	2	-	1	1	-	-	2	
Stoke Newington		6093	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill		5483	3	2	1	-	-	-	1	-	-	-	-	-	-	-	-	
West Hackney		24265	17	7	1	3	-	-	-	-	-	-	-	-	-	1	1	
Hackney WHw		31481	16	19	3	8	-	-	-	-	-	-	-	-	-	2	3	
South Hackney L		15458	26	11	2	2	-	-	1	-	-	-	-	-	-	-	1	
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	13	2	-	1	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH		19483	12	11	1	5	-	-	-	-	-	-	-	-	-	-	1	
St. Giles North		17201	16	15	4	2	-	-	-	-	3	-	-	1	1	-	-	
Long Acre		11618	2	3	-	1	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH		11071	1	9	-	2	-	-	-	-	-	-	-	-	-	2	2	
St. Mary-le-Strand		10346	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		15207	11	8	1	-	-	-	-	1	-	-	-	-	-	1	1	
St. George-the-Martyr H		19903	13	10	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Andrew East Holborn W		12947	13	7	2	2	-	1	-	-	-	-	-	-	-	1	2	
Saffron Hill		12012	3	6	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W		19132	11	15	1	4	-	-	-	-	-	-	1	-	-	-	-	
Amwell Clerkenwell		17250	10	8	1	-	-	2	1	-	-	-	-	-	-	-	2	
Fentonville		13079	13	8	2	-	-	-	-	-	1	-	-	-	-	-	1	
Goswell-street		16300	10	5	-	1	-	1	1	-	-	-	-	-	-	-	-	
Old-street		11504	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
City-road HL		17860	20	4	1	-	-	-	1	-	-	-	-	-	-	-	-	
Whitecross street		14778	17	4	-	1	-	-	-	-	-	-	-	-	-	-	-	
Finsbury		12931	10	3	-	1	-	1	-	-	-	-	-	-	-	-	-	
St. Botolph East London		20390	16	5	1	3	-	-	-	-	-	-	1	-	-	-	-	
Cripplegate		19337	5	6	-	1	-	1	-	-	-	-	-	2	-	-	-	
St. Sepulchre WH		11750	5	14	1	2	-	-	-	-	-	-	-	-	-	2	3	
St. Bride W		15395	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	3	3	1	-	-	1	-	-	-	-	-	-	-	1	1	
Christchurch		9020	-	3	1	-	-	1	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Albion Works		8559	-	4	-	1	-	3	-	-	-	-	-	-	-	-	-	
Broad Street		11644	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Public Officials of Institutions are not included.

‡ The return for the sub-district of All Souls contains the deaths of 4 children under one year of age, the death of a person aged 60 years and upwards, 3 fatal cases of scarlet fever, 1 inquest case, and the deaths of 2 persons in a Public Institution.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
rday, 7th May 1870.

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																		
Well Shoreditch	-	17313	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch	L	19188	12	12	2	3	-	-	-	-	-	-	-	-	-	-	-	2
ton New Town	N	26516	20	12	2	4	-	-	2	-	-	-	-	-	-	-	-	4
ton Old Town	O	25777	25	4	2	2	-	1	-	-	1	-	-	-	-	-	-	-
gerstone West	W	22360	16	17	1	7	-	-	-	-	-	-	-	-	-	-	-	9
gerstone East	E	17310	12	8	3	-	-	1	-	-	-	-	-	-	-	-	-	-
ney-road	-	22398	25	11	3	1	-	-	1	-	-	-	-	-	-	-	-	-
en, Bethnal Green	WHL†	81789	42	15	2	5	-	-	-	-	-	-	-	-	-	-	-	11
rch, Bethnal Green	-	25523	22	7	4	4	-	-	-	-	1	-	-	-	-	-	-	-
n, Bethnal Green	-	21486	19	10	2	2	-	1	-	-	-	-	-	-	-	-	-	-
lery Whitechapel	-	6557	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ulfields	-	15700	7	7	2	3	-	-	-	-	-	-	-	-	-	-	-	-
End New Town	W	13332	9	13	3	3	-	-	-	-	-	-	-	-	-	-	-	7
techapel North	-	12122	18	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
techapel Church	H	8962	5	15	2	4	-	-	-	-	-	-	-	1	-	1	-	12
lman's Fields	-	11166	5	4	2	1	-	-	-	-	2	-	-	-	-	-	-	-
gate	-	9071	6	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Mary St. George East	-	18181	14	5	2	-	-	-	-	-	1	-	-	-	-	-	-	-
Paul St. George East	-	21015	17	7	2	2	-	-	1	-	2	-	-	-	-	-	2	-
John St. George East	W	9695	3	11	2	5	-	-	-	-	-	-	-	-	1	1	1	8
Well W	-	12537	12	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Cliff WH	-	16874	13	7	1	-	-	-	-	-	-	-	-	-	1	-	1	1
ehouse W	-	27161	23	8	1	1	-	-	1	-	-	-	-	-	-	-	2	-
End Old Town West	-	33747	36	13	2	6	-	-	-	-	-	-	-	-	-	1	1	-
End Old Town East	W	58917	87	17	2	8	-	-	-	-	-	-	1	-	-	1	1	1
W L†	-	35667	60	25	5	4	-	1	2	-	1	1	-	-	1	-	1	7
lar W	-	43529	33	18	3	4	-	1	1	-	1	1	-	-	1	-	-	5
SOUTH DISTRICTS.																		
estchurch Southwark	W	17069	6	7	-	3	-	-	-	-	-	-	-	-	-	-	-	3
Saviour Southwark	H	19101	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
t-road	-	19652	20	7	1	-	-	-	-	-	-	-	1	-	-	-	-	-
ough-road	W	16698	16	10	2	1	-	-	-	-	-	-	1	-	1	1	2	1
ton-road	L	19190	21	7	1	1	-	-	1	-	-	-	-	-	-	-	-	-
ity Newington	-	22875	21	5	3	1	-	-	1	-	-	-	-	-	-	-	-	-
Peter Walworth	W	44463	40	24	2	6	-	2	5	-	-	-	-	-	1	-	-	4
Mary Newington	H	15082	13	12	3	1	-	-	1	-	1	-	-	-	1	3	3	5
Olave Southwark	H	7663	3	15	-	4	-	-	-	-	2	-	-	-	-	1	3	4
John Horsleydown	W	11893	3	3	-	1	-	-	-	-	-	-	-	-	-	-	-	15
lbert Market	-	16936	3	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Mary Magdalen	W	16595	7	14	3	3	-	-	-	-	1	-	-	-	-	-	-	4
James Bermondsey	-	25154	42	29	1	7	-	-	1	-	-	-	-	-	-	-	-	-
erhithe W	-	24502	14	11	-	1	-	-	1	-	-	-	-	-	-	2	2	1
erloo-road 1st	-	12269	9	6	1	1	-	1	1	-	-	-	-	-	-	1	1	-
erloo-road 2nd	H	18340	24	7	-	-	-	1	1	-	-	-	-	-	-	1	1	-
abeth Church 1st	-	19839	7	5	-	3	-	-	2	-	-	-	-	-	-	-	-	-
abeth Church 2nd	W	29542	30	18	5	6	-	-	1	-	-	-	-	-	1	-	-	4
nington 1st	-	30785	32	12	2	2	-	1	-	-	-	-	-	-	-	-	-	-
nington 2nd	-	20440	15	7	-	2	-	1	-	-	-	-	-	-	-	-	-	-
nton	-	20967	17	13	3	2	-	-	1	-	-	-	-	-	1	-	-	-
wood W	-	7462	8	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-
ham	-	20894	11	6	2	-	-	-	-	-	1	-	-	1	-	-	-	-
tersea W	-	19600	45	21	4	5	1	-	3	-	1	-	1	-	-	-	1	2
ndsworth L	-	13346	11	8	3	1	-	-	-	-	-	-	-	-	-	-	-	2
ney	-	6481	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
atham	-	10982	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
wich	-	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
berwell W L†	-	21297	27	18	5	4	-	-	-	-	-	-	-	1	-	-	2	9
ham W	-	28135	39	11	3	4	1	-	-	-	-	-	1	1	1	1	1	-
George Camberwell	-	20333	25	16	6	4	-	-	-	-	-	-	-	1	1	-	-	-
Paul Deptford	-	37834	32	10	2	2	-	-	2	-	-	-	-	-	-	-	-	-
Nicholas Deptford	-	8139	3	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-
enwich West	H	21696	13	10	1	1	-	3	-	-	-	-	-	-	-	-	-	-
enwich East	WH	18306	11	13	-	3	-	-	1	-	-	-	-	-	1	1	1	3
ham	-	3009	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
isham Village	W	11003	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
enham	-	7372	3	7	1	2	-	-	-	-	-	-	-	-	-	1	2	1
	-	10595	12	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-
arlton H	-	9276	7	4	-	1	-	-	-	-	-	-	-	-	-	-	-	1
olwich Dockyard	H	22919	16	12	5	-	-	2	-	-	-	-	-	-	-	-	-	-
olwich Arsenal	H	18776	23	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
mstead West	-	24502	14	5	1	1	-	-	-	-	-	-	-	-	-	-	1	-
mstead East	-		10	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " " Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and
London City " " Islington East.	Stepney " " Bow sub-district.
Do. do. " " Hackney sub-district.	

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 7th MAY 1870.
[Under the Superintendence of the Astronomer Royal.]

READINGS OF THERMOMETERS.										DIFFERENCE										WIND.										RAIN.																																																																																																																																																																																																																																																																																																									
MOON.		Baro- meter.		Dry.				Dew Point.		Highest in the day shown by a self-reg- istering thermo- meter.		Lowest on the ground shown by a self-reg- istering thermo- meter.		In the Water of the Thames at Grays self-registering Thermometers.		Between Dew Point Temperature and Air Temperature.		Between mean tem- perature of the day and mean tem- perature of the same day being on an average of 50 years.		As deduced from Anemometers.				Degree of Hu- midity, com- plete Sat- uration being 100.		Direction.		Pressure on square foot.		Amount of Movement of Air above the ground.		Collected in a Gauge whose surface is 5 in. above the ground.																																																																																																																																																																																																																																																																																																							
Phases of Moon.		in.	out.	High- est.	Low- est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	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ELECTRICITY.

SKY AND ATMOSPHERE.

NOTES.

Partially cloudy. Occasional light showers of rain. Thunder was heard at 2h. 30m. P.M.

Generally cloudy till evening; partially clear at night. Rain fell in the afternoon and evening.

Generally cloudless during the early morning hours; overcast afterwards until evening, and a little rain and hail fell occasionally; generally cloudless at night.

A fine day; generally cloudy.

Generally cloudless throughout the morning, and a very fine solar halo was observed between 9h. A.M. and 10h. A.M.; cloudy after noon. A fine day.

Generally cloudy till night; afterwards cloudless.

Cloudless during the early morning hours and at night; generally cloudy throughout the intervening period.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced from James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1838, December 31.

*In reading the 17th column it will be borne in mind that + is read "higher," and "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29-43 in. at the beginning of the week to 29-37 in. by noon on 1st May; increased to 30-10 in. by 9h. P.M. on the 4th; decreased to 30-06 in. by 3h. P.M. on the 5th; increased to 30-16 in. by 4h. A.M. on the 7th and was 30-15 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

~~~~~  
By Authority of the Registrar General.  
~~~~~

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 19. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, MAY 14. [Price 1d.

*General Register Office, Somerset House,
16th May 1870.*

DURING the week ending Saturday the 14th instant, 5029 *births* and 3213 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 23 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the preceding four weeks was 24 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 23 per 1000, Portsmouth 11, Norwich 27, Bristol 27, Wolverhampton 20, Birmingham 19, Leicester 17, Nottingham 19, Liverpool 23, Manchester 27, Salford 24, Bradford 35, Leeds 23, Sheffield 21, Hull 21, Sunderland 14, and Newcastle-upon-Tyne 20.

In Edinburgh the deaths registered last week were at the annual rate of 24 per 1000 persons living, in Glasgow 27 per 1000, and in Dublin 25.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 33 per 1000 persons living. Small-pox caused 179 deaths, as compared with 133 and 166 in the two previous weeks.

In Vienna during the week ending 7th instant the deaths gave an annual rate of 37 per 1000.

In the city of Bombay the deaths registered during the week ending April 19th were 283, and the mortality was at the annual rate of 18 per 1000.

In LONDON the *births* of 1156 boys and 1023 girls, in all 2179 children, were registered last week. The *deaths* registered in the same time were 1426. During the corresponding weeks of ten previous years the registered *births* averaged 1999, and the *deaths* 1301 per week; after making due allowance for increase of population, the average for the past week is estimated at 2198 *births* and 1431 *deaths*; the registered *births*, therefore, were 19, and the *deaths* 5 below, the estimated average.

The deaths under 5 years of age were 589, at the ages 5 to 20 years they were 112, at 20 to 40 years 215, at 40 to 60 years 230, at 60 to 80 years 238, and 42 at 80 years and upwards. Of infants in their first year 301 died, and 278 persons aged 60 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 27, in the Northern group of 24, in the Central group of 27, in the Eastern group of 22, and in the Southern group of 20 per 1000 persons living.

Zymotic diseases caused 279 deaths, including 6 from small-pox, 42 from measles, 76 from scarlet fever, 3 from diphtheria, 13 from croup, 43 from whooping-cough, 7 from typhus, 15 from enteric (or typhoid) fever, 11 from simple continued fever, 2 from erysipelas, and 14 from diarrhoea. Forty-seven deaths resulted from violence; of these 43 were accidental, including 25 fractures, 4 by drowning, and 9 infants and one adult by suffocation.

Five fatal street accidents were returned last week:—A carman, aged 63 years, died on 28th April at the Royal Free Hospital, from “erysipelas, after

injuries by being run over by a van in the street;" a boy, aged 11 years, died on 9th May in the London Hospital, from fractured skull caused by a van; a boy, aged 8 years, died on 3d May in St. Thomas's Hospital, from fractured ribs, caused by a van; a female, aged "about 80 years," died on 10th May in Charing Cross Hospital, from "fractured leg, shock, and amputation of leg: accidentally run over by a furniture van in Regent's Circus;" an infant, 3 months old, met its death in Christchurch sub-district, Southwark, by being thrown out of a cart which had come into collision with a van. The total number of fatal street accidents returned during the present year is 57.

In the Public Institutions of the Metropolis 254 deaths were registered; of these 131 occurred in Workhouses, 3 in Military and Naval Asylums, 87 in General Hospitals, 20 in Hospitals for special diseases, 2 (of women) in four Lying-in Hospitals, 6 in Military and Naval Hospitals, 2 in Hospitals and Asylums for Foreigners, and 3 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·691 in.; the highest was 30·17 in. on Sunday, and the lowest was 29·19 in. on Wednesday. The mean temperature of the *air* was 49°·3, or 2°·1 below the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 65°·8 on Saturday; the lowest night temperature was 29°·8 on Monday; the entire range of temperature in the week was, therefore, 36°·0. The highest temperature in the sun was 135°·9 on Monday. The difference between the mean *dew-point* temperature and *air* temperature was 5°·1. The mean degree of *humidity* of the air was 83, complete saturation being represented by 100. *Rain* fell during the week to the amount of 0·37 in. The general direction of the *wind* was E.S.E. and S.W.; and the horizontal movement of the air amounted to 14 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 47°·4 in Portsmouth, to 51°·7 in Manchester; the lowest recorded night temperature was 32°·3 in Portsmouth, and the highest day temperature in the shade was 68°·5 in Salford. A little more than an inch of rain fell in Bristol and Portsmouth; and in Wolverhampton, Birmingham, Bradford, and Leeds there was a fall of nearly an inch; in Norwich 0·35 in. fell.

The Centigrade graduation has many advantages over that of Fahrenheit: (1) Its zero 0° is at the freezing point of water; (2) its 100° is the boiling point of water. Degrees below zero are degrees of cold, and are preceded by the *minus* sign; thus –3° may be read 3 degrees of cold, or 3 degrees below zero. The zero of Fahrenheit is 32° below the freezing-point of water; 212° mark the temperature of boiling water. In Centigrade degrees the mean temperature of the air last week at Greenwich was 9°·6; the highest day temperature in the shade was 18°·8; the lowest night temperature was –1°·2; the highest temperature in the sun was 57°·7. The mean temperature of the week on an average of 50 years was 10°·8, or 1°·2 above the temperature of last week. The wind blew at the rate of 22·4 kilometers an hour, and the rain-fall was 0·94 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 172,760 cubic metres, and at Barking 152,806 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the NINETEENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1605	1848	1946	2155	1936	1999	2088	2148	2256	2012	1999·3	2179
Males . .	786	972	1015	1073	963	1008	1076	1119	1154	1024	1019·5	1156
Females . .	819	876	931	1077	973	991	1012	1029	1102	988	979·8	1023
TOTAL Deaths	1111	1240	1249	1459	1306	1167	1623	1235	1340	1279	1301·4	1426
Males . .	556	633	639	746	654	580	819	642	705	679	665·3	731
Females . .	555	607	610	713	652	587	809	593	635	600	636·1	695

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Feb. 19.	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.	Apr. 2.	Apr. 9.	Apr. 16.	Apr. 23.	Apr. 30.	May 7.	May 14.
TOTAL Deaths - - -	1716	1861	1673	1499	1532	1478	1625	1631	1475	1487	1894	1314	1426*
Deaths under 5 years of age -	687	713	640	547	613	577	665	626	591	617	538	515	589
Deaths 5—20 - - -	123	120	116	93	101	104	120	111	86	119	109	95	112
Deaths 20—40 - - -	225	214	218	221	218	217	214	213	196	208	220	199	215
Deaths 40—60 - - -	198	313	286	280	259	241	281	292	261	252	238	242	230
Deaths 60—80 - - -	311	412	341	304	272	271	269	311	280	254	234	219	238
Deaths at 80 years & upwards	72	89	72	54	69	68	76	78	61	52	55	44	42
Deaths from Small-pox -	10	11	8	6	3	5	8	8	2	10	3	9	6
“ “ Measles - - -	17	18	21	17	20	19	30	34	28	32	32	49	42
“ “ Scarlet Fever -	104	111	78	69	81	56	78	71	70	77	68	74	76
“ “ Diphtheria -	3	5	8	6	4	5	2	3	9	3	6	1	3
“ “ Whooping-cough	61	79	53	49	65	53	68	61	55	51	61	33	43
“ “ Typhus fever -	9	8	6	4	8	10	6	6	6	10	13	8	7
“ “ Enteric (or Typhoid) fever -	21	11	14	19	8	16	11	18	16	18	15	11	15
“ “ Simple Contag fever	9	13	15	10	13	10	12	14	8	10	11	12	11
“ “ Diarrhoea - - -	20	15	16	14	11	9	13	16	18	17	13	14	14
“ “ Phthisis - - -	191	226	171	209	193	184	202	198	200	173	193	188	200
“ “ Bronchitis - - -	335	323	305	232	212	221	231	259	196	176	133	123	136
“ “ Pneumonia - - -	109	90	89	98	85	93	107	107	66	91	86	67	59
“ “ Heart Disease -	76	77	76	54	74	65	76	69	65	78	64	51	70
Mean Temperature of the Air	30·7	36·9	45·8	38·4	41·0	38·1	37·2	45·5	50·1	55·0	47·7	45·6	49·3
Mean Temperature of the Water of the Thames	31·5	33·2	40·2	39·6	42·3	43·4	39·4	43·4	45·3	—	—	—	—
Humidity of the Air - -	74	75	85	81	82	83	80	71	71	61	76	76	83
Rain-fall in inches - -	0·05	0·05	1·22	0·02	0·44	0·37	0·00	0·07	0·07	0·00	0·13	0·02	0·37

* The return for the sub-district of Hackney Road (Bethnal Green) was not received when the tables were under preparation, but an average of 10 is substituted for the true number, which is 14.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 14th day of May 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 14th May.	DEATHS registered during the Week ending 14th May.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)		RAIN FALL	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	Centi- metres.	
Total of 20 TOWNS in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	5029	3213	68·5	29·8	49·4	9·66	0·77	1·6	
LONDON - - -	77,997	3,214,707	41·2	2179	1426	65·8	29·8	49·3	9·61	0·37	0·9	
PORTSMOUTH - -	9,513	122,084	12·8	65	25	62·0	32·3	47·4	8·55	1·12	2·8	
NORWICH - - -	7,472	81,087	10·9	44	42	65·0	33·5	47·5	8·61	0·35	0·8	
BRISTOL - - -	4,688	171,382	36·6	95	89	62·7	34·0	48·2	9·00	1·30	3·3	
WOLVERHAMPTON -	3,387	72,990	21·5	65	28	61·4	40·1	48·9	9·39	0·93	2·3	
BIRMINGHAM - -	7,831	369,604	47·2	252	133	62·4	37·0	49·3	9·61	0·90	2·2	
LEICESTER - - -	3,200	97,427	30·4	80	31	65·2	34·0	49·6	9·78	0·49	1·2	
NOTTINGHAM - -	1,996	88,888	44·5	45	33	63·3	34·4	49·5	9·72	0·44	1·1	
LIVERPOOL - - -	5,108	517,567	101·3	382	233	61·2	41·0	50·1	10·06	0·65	1·6	
MANCHESTER - -	4,486	374,993	83·6	265	193	67·0	42·0	51·7	10·94	0·63	1·6	
SALFORD - - -	5,172	121,580	23·5	90	55	68·5	39·6	50·6	10·33	0·65	1·6	
BRADFORD - - -	6,590	143,197	21·7	134	97	61·1	38·5	49·4	9·66	0·98	2·4	
LEEDS - - -	21,572	259,527	12·0	167	113	62·0	39·0	49·9	9·94	0·83	2·2	
SHEFFIELD - - -	22,830	247,378	10·8	203	100	63·0	35·0	49·5	9·72	0·78	1·9	
HULL - - -	3,562	130,869	36·7	100	52	—	—	—	—	—	—	
SUNDERLAND - -	3,306	100,979	30·5	73	28	—	—	—	—	—	—	
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	100	52	61·0	40·0	47·6	8·66	0·65	1·6	
EDINBURGH - - -	4,427	178,970	40·4	137	84	61·7	36·0	50·4	10·22	0·60	1·5	
GLASGOW - - -	5,063	468,189	92·5	417	245	61·8	38·5	49·9	9·94	1·41	3·5	
DUBLIN - - -	9,745	321,540	33·0	136	154	62·9	39·0	50·5	10·23	0·53	1·3	
PARIS - - -	7,802	1,889,842	242	—	1210	—	—	—	—	—	—	
VIENNA - - -	3,728*	622,087	167	Week ending 7 May 1870. —	Week ending 7 May 1870. 438	—	—	50·5	10·25	—	—	
BERLIN - - -	6,253	800,000	128	Week ending 12 May 1870. —	Week ending 12 May 1870. —	—	—	—	—	—	—	

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 14th day of May 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public
LONDON - - -	23	1426	301	278	6	42	70	8	43	33	14	47	72	25
PORTSMOUTH - -	11	25	4	7	—	—	1	—	1	—	—	—	4	—
NORWICH - - -	27	42	8	9	—	1	3	—	2	—	—	—	2	—
BRISTOL - - -	27	80	15	20	—	2	7	1	5	2	—	3	4	—
WOLVERHAMPTON -	20	28	12	4	—	—	1	—	—	1	—	—	—	—
BIRMINGHAM - -	19	133	44	30	—	—	2	1	6	4	1	7	16	2
LEICESTER - - -	17	31	10	5	—	—	—	—	1	—	—	1	3	—
NOTTINGHAM - -	19	33	11	7	—	—	2	—	—	—	—	1	2	—
LIVERPOOL - - -	23	233	61	48	—	2	14	1	8	11	4	13	18	4
MANCHESTER - -	27	193	46	31	1	1	4	—	4	6	1	4	16	4
SALFORD - - -	24	55	16	4	2	—	1	—	1	—	1	2	3	—
BRADFORD - - -	35	97	23	14	—	1	4	—	1	3	—	1	4	—
LEEDS - - -	23	113	35	22	—	—	6	1	3	2	—	2	5	1
SHEFFIELD - - -	21	100	31	13	—	1	8	—	5	1	2	3	7	—
HULL - - -	21	52	10	7	—	—	6	—	—	3	—	2	2	—
SUNDERLAND - -	15	28	7	5	—	—	—	—	1	2	—	1	1	—
NEWCASTLE-ON-TYNE	20	52	16	10	—	—	—	—	3	1	2	3	3	—
DUBLIN - - -	25	154	24	32	—	—	5	1	2	9	2	3	7	6

TABLE 5.—DEATHS in LONDON Registered in the NINETEENTH Week of the Year 1870.

CAUSES OF DEATH.	Averages of the Nineteenth Week in the 10 years 1860-69.	In the Week ending Saturday, May 14, 1870.							Averages of the Nineteenth Week in the 10 years 1860-69.	CAUSES OF DEATH.	Averages of the Nineteenth Week in the 10 years 1860-69.	In the Week ending Saturday, May 14, 1870.						
		Deaths of Persons of the Ages										Deaths of Persons of the Ages						
		ALL AGES.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.				Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
Mean Temperature	52° 3	49° 3	0 5.	5 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	52° 3	49° 3	0 5.	5 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	
ALL CAUSES	1301.4	1426	585	112	213	228	236	42	9. Stricture of Intestines	1.6	1	-	-	-	1	-	-	
SPECIFIED CAUSES	1285.0	1411	581	112	213	227	236	42	10. Fistula	1.1	-	-	-	-	-	-	-	
ZYMOTIC DISEASES.									11. Stomach Disease, &c.	6.9	8	3	-	1	1	2	-	
ORDER 1.									12. Pancreas Disease, &c.	4.4	3	-	1	-	1	1	-	
Small-pox	18.6	6	5	-	1	-	-	-	13. Hepatitis	3.9	4	2	-	-	-	12	-	
Measles	40.6	42	39	3	2	-	-	-	14. Jaundice	17.3	26	2	4	15	5	-	-	
Scarlet Fever (Scarlatina)	37.3	76	49	23	2	-	-	-	15. Liver Disease, &c.	3	2	-	-	-	-	-	-	
Diphtheria	9.3	3	2	-	1	-	-	-	ORDER 5.									
Whooping-cough	1.1	8	3	-	-	-	-	-	1. Nephritis	1.4	3	1	-	-	1	1	-	
Whooping-cough	13.5	13	11	2	-	-	-	-	2. Ischuria	4	-	-	-	-	-	-	-	
Whooping-cough	64.4	43	43	-	-	-	-	-	3. Bright's Disease (Nephria)	8.8	7	-	1	4	1	-	-	
Whooping-cough	47.4	7	1	1	3	2	-	-	4. Diabetes	1.6	-	-	-	-	-	-	-	
Whooping-cough	11	15	2	0	2	4	1	-	5. Calculus (Stone)	8	1	-	-	-	1	-	-	
Whooping-cough	6.9	11	5	5	1	-	-	-	6. Cystitis	9	1	-	-	-	-	-	-	
Whooping-cough	3.4	3	-	-	3	-	-	-	7. Kidney Disease, &c.	7.3	5	1	-	1	-	3	1	
Whooping-cough	6	2	-	-	-	2	-	-	ORDER 6.									
Whooping-cough	1.6	1	1	-	-	-	-	-	1. Ovarian Dropsy	1.0	1	-	-	-	-	1	-	
Whooping-cough	14.9	14	8	1	2	-	12	1	2. Uterus Disease, &c.	3.7	1	-	-	-	1	-	-	
Whooping-cough	4	5	1	-	-	1	-	-	ORDER 7.									
Whooping-cough	5	1	-	-	-	-	-	-	1. Synovitis (Arthritis)	1	-	-	-	-	-	-	-	
Whooping-cough	1.2	-	-	-	-	-	-	-	2. Joint Disease, &c.	4.0	4	2	-	1	-	1	-	
Whooping-cough	6.9	5	-	2	3	-	-	-	ORDER 8.									
Whooping-cough	1	1	1	-	-	-	-	-	1. Phlegmon	2.4	2	-	-	1	1	-	-	
Whooping-cough	7.6	9	7	-	1	1	-	-	2. Ulcer	7	1	-	-	-	-	-	1	
Whooping-cough	1.1	1	-	-	1	-	-	-	3. Skin Disease, &c.	1.8	1	1	-	-	-	-	-	
Whooping-cough	1	-	-	-	-	-	-	-	IV. DEVELOPMENTAL DISEASES.									
Whooping-cough	3	-	-	-	-	-	-	-	ORDER 1.									
Whooping-cough	7.6	10	10	-	-	-	-	-	1. Premature Birth	18.8	19	19	-	-	-	-	-	
Whooping-cough	1.8	5	1	2	1	-	1	-	2. Cyanosis	2.0	3	3	-	-	-	-	-	
Whooping-cough	3.2	1	-	-	-	1	-	-	3. Spina Bifida	1.1	1	1	-	-	-	-	-	
Whooping-cough	1.2	1	-	-	-	-	1	-	4. Other Malformations	9	-	-	-	-	-	-	-	
Whooping-cough	1	1	-	-	-	-	1	-	5. Teething	18.8	15	15	-	-	-	-	-	
Whooping-cough	2.0	4	4	-	-	-	-	-	ORDER 2.									
Whooping-cough	1	-	-	-	-	-	-	-	1. Paramenia	4	-	-	-	-	-	-	-	
Whooping-cough	1	-	-	-	-	-	-	-	2. Childbirth (see Puer- peral Fever)	4.8	9	-	1	6	2	-	-	
Whooping-cough	2.1	11	1	-	-	-	6	2	ORDER 3.									
Whooping-cough	12.7	34	3	-	4	19	8	-	1. Old Age	47.8	47	-	-	-	-	20	21	
Whooping-cough	29.8	6	-	-	-	-	-	-	ORDER 4.									
Whooping-cough	6	2	-	-	-	-	2	-	1. Atrophy and Debility	53.9	61	56	-	1	1	3	-	
Whooping-cough	3.8	2	-	-	-	-	-	-	V. VIOLENT DEATHS, &c.									
Whooping-cough	9.7	8	5	1	2	-	-	-	ORDER 1.									
Whooping-cough	18.7	32	29	3	-	-	-	-	(ACCIDENT OR NEGLIGENCE.)									
Whooping-cough	172.4	200	11	21	109	49	10	-	1. Fractures and Contusions	17.0	25	4	5	2	6	7	-	
Whooping-cough	32.6	41	41	-	-	-	-	-	2. Wounds	6	1	-	-	1	-	-	-	
Whooping-cough	4	-	-	-	-	-	-	-	3. Burns and Scalds	5.9	1	-	-	-	-	1	-	
Whooping-cough	16.5	24	10	8	2	2	1	1	4. Poison	1.2	-	-	-	-	-	-	-	
Whooping-cough	31.9	46	2	-	7	18	15	4	5. Drowning	5.4	4	1	2	-	-	1	-	
Whooping-cough	27.4	38	-	-	1	12	22	3	6. Suffocation	8.3	10	9	-	-	-	1	-	
Whooping-cough	1.7	2	-	-	-	-	-	-	7. Otherwise	2.2	2	-	-	-	1	1	-	
Whooping-cough	4	-	-	-	-	-	-	-	ORDER 3.									
Whooping-cough	7.6	2	-	-	-	-	2	-	(HOMICIDE.)									
Whooping-cough	48.2	64	62	2	-	-	-	-	1. Murder and Manslaughter	1.5	1	1	-	-	-	-	-	
Whooping-cough	18.0	17	3	1	1	5	7	-	ORDER 4.									
Whooping-cough	2.4	3	-	-	1	-	2	-	(SUICIDE.)									
Whooping-cough	2.7	7	-	-	4	3	-	-	1. Wounds { Gunshot Cut, Stab	2	-	-	-	-	-	-	-	
Whooping-cough	57.5	70	1	4	16	19	26	4	2. Poison	8	-	-	-	-	-	-	-	
Whooping-cough	7.0	8	4	1	-	3	-	-	3. Drowning	1.7	1	-	-	1	-	-	-	
Whooping-cough	110.4	136	54	3	4	27	45	3	4. Hanging	1.6	-	-	-	-	-	-	-	
Whooping-cough	3.1	2	-	-	1	-	1	-	5. Otherwise	6	-	-	-	-	-	-	-	
Whooping-cough	69.4	59	29	5	10	8	7	-	ORDER 5.									
Whooping-cough	7.3	11	11	-	9	-	-	-	(EXECUTION.)									
Whooping-cough	12.2	21	9	1	3	2	6	-	1. Hanging	-	-	-	-	-	-	-	-	
Whooping-cough	1.9	2	-	1	-	-	1	-	Violent Deaths (not classed)	2	2	-	1	1	-	-	-	
Whooping-cough	4.3	1	-	-	-	-	-	-	Sudden Deaths (Cause un- ascertained)	2.6	-	-	-	-	-	-	-	
Whooping-cough	4.2	6	1	-	2	2	1	-	Causes not specified or ill- defined	13.8	15	4	-	-	1	-	-	
Whooping-cough	2.4	-	-	-	-	-	-	-										
Whooping-cough	2.1	6	2	-	3	-	1	-										
Whooping-cough	2.8	2	-	-	-	1	1	-										
Whooping-cough	3.0	3	1	-	-	2	-	-										
Whooping-cough	1.5	1	1	-	-	-	-	-										

TE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

† Averages amounting to 10 are added without distinction of ages. See note *, page 157.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ended

		The DEATHS registered in the Week include															
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhea.	Violence.	Inquest Cases.
LONDON		2,803,989	2179	1426	301	278	6	42	76	3	43	7	15	11	14	47	72
WEST DISTRICTS.		458,125	335	275	64	53	3	8	13	-	12	2	3	1	3	4	10
NORTH DISTRICTS.		618,210	491	335	72	69	-	15	22	2	6	1	2	1	5	8	10
CENTRAL DISTRICTS.		383,321	217	185	35	27	-	9	10	1	2	2	3	1	2	12	19
EAST DISTRICTS.		571,158	494	270	51	59	1	3	11	-	10	2	-	5	1	10	20
SOUTH DISTRICTS.		773,175	642	361	79	70	2	7	20	-	13	-	7	3	3	13	13
WEST DISTRICTS.																	
St. Mary Paddington WH		39015	33	32	4	6	-	1	1	-	1	-	-	-	-	1	2
St. John Paddington H		38769	15	14	2	4	-	-	-	-	2	1	-	-	-	-	2
Kensington Town W		51910	62	44	11	8	-	2	2	-	2	-	-	-	-	-	-
Brompton H		18198	12	19	3	2	-	-	-	-	2	-	-	-	-	-	-
St. Peter Hammersmith		5415	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H		19104	22	13	5	1	1	-	3	-	-	-	-	-	-	-	-
Fulham W		15539	13	11	3	4	-	-	-	-	-	-	-	-	-	-	-
Chelsea South H		21654	15	17	6	3	-	1	-	-	1	-	1	-	1	-	2
Chelsea North-west HW		19899	28	17	5	5	-	-	1	-	-	-	-	-	-	-	-
Chelsea North-east		21886	11	8	1	1	-	3	-	-	-	-	-	-	-	-	-
Hanover Square		19773	10	7	1	-	-	-	-	-	1	-	1	-	-	1	2
May Fair W		12885	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgrave H		55113	25	22	5	4	-	-	2	-	1	-	-	1	-	-	-
St. John Westminster		37483	21	14	3	1	1	-	2	-	1	-	-	-	-	-	-
St. Margaret Westminster WH		30730	22	28	8	7	-	1	1	-	2	1	-	-	2	2	2
St. James's Square		10751	3	4	-	-	1	-	-	-	-	-	-	-	-	-	-
Golden Square W		13966	6	10	-	3	-	-	-	-	-	-	-	-	-	-	-
Berwick-street		10607	11	6	3	1	-	-	1	-	-	-	-	-	-	-	-
St. Anne Soho		17426	13	6	3	2	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																	
All Souls Marylebone H		29952	18	24	3	2	-	-	2	-	1	-	-	-	-	-	1
Cavendish Square		15090	6	8	-	2	-	1	-	-	1	-	-	-	-	-	-
Rectory Marylebone W		26692	12	25	5	7	-	2	-	-	-	-	-	-	-	-	-
St. Mary Marylebone H		22493	20	12	3	-	-	-	-	-	-	-	-	-	2	-	-
Christchurch Marylebone		34913	20	16	-	8	-	-	-	-	-	-	-	-	-	-	-
St. John Marylebone		32540	17	18	6	1	-	1	2	-	-	-	-	-	-	-	-
Hampstead WH		19106	13	4	2	1	-	-	-	-	-	-	-	-	1	-	-
Regent's Park Pancras		34927	16	11	2	2	-	1	-	-	-	-	-	-	-	-	1
Tottenham-court WH		29371	20	20	5	-	-	-	2	-	-	-	-	-	1	1	1
Gray's Inn Lane H		27803	25	15	2	3	-	1	-	-	-	-	-	-	-	4	-
Somers Town		39099	17	13	4	-	-	4	-	-	-	-	-	1	-	-	-
Camden Town W		23266	14	9	1	5	-	1	-	-	-	-	-	-	-	-	1
Kentish Town		44317	42	25	7	6	-	-	3	1	-	-	-	-	-	1	3
Islington West* WHH		75442	90	52	6	12	-	3	5	-	2	1	2	-	1	-	-
Islington East W		79899	76	33	12	6	-	-	4	-	2	-	-	-	-	1	-
Stoke Newington		6603	4	4	-	2	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill		5483	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney		24265	20	12	5	2	-	-	1	-	1	-	-	-	-	-	-
Hackney WH		31481	37	25	3	5	-	1	2	-	-	-	-	-	-	1	3
South Hackney L		15458	21	8	5	1	-	-	1	-	1	-	-	-	-	-	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury		17392	11	6	-	1	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH		19483	16	17	1	4	-	-	1	-	-	-	-	-	-	2	4
St. Giles North		17201	9	2	-	1	-	-	-	-	-	-	-	-	-	-	-
Long Acre		11618	5	6	2	-	-	1	-	-	-	-	-	-	-	-	1
Charing Cross WH		11071	6	6	-	3	-	-	-	-	-	-	-	-	-	3	3
St. Mary-le-Strand		10346	2	5	-	-	-	-	-	-	-	-	-	-	-	1	1
St. Clement Danes H		15207	3	5	1	-	-	-	1	-	-	-	1	-	-	-	-
St. George-the-Martyr H		19903	9	20	3	4	-	-	-	1	-	-	-	-	1	-	-
St. Andrew East Holborn W		12947	7	12	1	1	-	-	-	-	-	-	-	1	1	-	1
Saffron Hill		12012	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W		19152	13	11	4	3	-	-	1	-	-	-	1	-	-	1	1
Amwell Clerkenwell		17250	17	9	1	-	-	2	-	-	-	-	-	-	-	2	2
Pentonville		13079	6	5	2	1	-	-	-	-	-	-	-	-	-	-	-
Goodwell-street		16290	8	11	2	1	-	1	4	-	-	-	-	-	-	-	-
Old-street		11504	8	5	1	2	-	-	1	-	1	-	1	-	-	-	-
City-road HL		17860	29	9	4	-	-	1	-	-	-	1	-	-	-	-	-
Whitecross-street		14778	22	7	3	-	-	2	-	-	-	-	-	-	-	1	2
Finsbury		12931	6	5	3	-	-	-	-	-	2	-	-	-	-	-	-
St. Botolph East London		20990	10	6	2	1	-	-	-	-	-	-	-	-	-	-	-
Cripple-gate		19637	5	8	-	1	-	-	-	-	-	-	-	-	-	-	2
St. Sepulchre WH		11750	5	10	-	-	-	-	1	-	-	-	-	-	-	1	1
St. Bride W		15395	4	8	2	-	-	-	1	-	-	-	-	-	-	-	-
Castle Baynard		7762	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9020	3	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Queenhithe		8570	4	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Alhallowes Barking		8659	3	5	-	3	-	-	-	-	-	-	-	-	-	1	-
Broad Street		11544	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Public Officials of Institutions are not included.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 arday, 14th May 1870.

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																		
Wywell Shoreditch	-	17313	5	9	2	2	-	-	1	-	-	-	-	1	-	-	-	-
Leonard Shoreditch Lt	-	19188	8	8	2	2	-	-	-	-	-	1	-	1	-	-	-	-
ton New Town w	-	26516	29	11	1	1	-	-	-	-	1	-	-	-	-	-	-	-
ton Old Town	-	25777	22	12	4	4	-	1	1	-	1	-	-	-	-	-	-	-
gerstone West W	-	23260	22	13	1	3	-	-	2	-	-	-	-	-	-	1	7	-
gerstone East	-	17310	17	4	-	2	-	1	-	-	-	-	-	-	-	-	-	-
ckney-road †	-	26298	25	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
en, Bethnal Green WH†	-	31789	31	21	4	7	-	-	-	-	-	-	-	-	-	-	-	5
arch, Bethnal Green	-	25328	32	10	1	2	-	-	-	-	-	-	-	1	-	1	1	-
yn, Bethnal Green	-	21486	21	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-
illery Whitechapel	-	6557	5	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
allfields	-	15700	10	4	1	1	-	-	-	-	1	-	-	-	-	-	-	-
e End New Town W	-	15392	6	8	1	6	-	-	-	-	-	-	-	-	-	-	1	8
itchapel North	H	12122	4	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
itchapel Church	-	8602	3	19	2	4	-	-	-	-	1	-	-	-	-	4	5	18
ddman's Fields	-	11166	10	3	1	-	-	-	-	-	2	-	-	-	-	-	-	-
gate	-	9071	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mary St George East	-	18181	14	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Paul St. George East	-	21015	17	3	1	1	-	1	-	-	-	-	-	-	-	-	-	-
John St. George East W	-	9605	3	9	1	6	-	-	-	-	1	-	-	-	1	-	1	6
dwell W	-	12537	8	8	3	-	-	-	-	-	-	-	-	-	-	-	1	-
cliff WH	-	16874	10	5	-	1	-	-	-	-	-	-	-	-	-	-	-	1
ehouse W	-	27161	16	7	1	1	-	1	-	-	-	-	-	-	-	1	1	-
e End Old Town West	-	37477	38	11	2	2	-	-	-	-	-	-	1	-	-	1	2	-
e End Old Town East W	W	39317	43	24	8	5	-	-	2	-	1	-	-	1	-	2	2	5
y WtoL†	-	35667	57	29	7	6	-	-	3	-	-	-	-	-	-	1	4	7
lar W	-	43529	36	22	3	4	-	-	-	-	-	1	-	1	-	-	-	3
SOUTH DISTRICTS.																		
istchurch Southwark W	-	17669	9	12	2	3	-	-	1	-	-	-	-	1	-	2	2	2
Saviour Southwark H	-	19101	10	7	2	1	-	-	-	-	-	-	-	-	1	-	-	-
it-road	-	18652	15	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-
ough-road W	-	16638	11	9	1	1	-	-	-	-	-	-	-	1	-	-	-	-
don-road L	-	19190	8	7	1	1	1	-	-	-	-	-	-	-	-	-	-	1
city Newington	-	22675	12	9	5	1	-	-	-	-	1	-	-	-	-	-	-	-
Peter Walworth W	-	44463	44	15	-	7	-	-	3	-	-	-	1	-	-	-	-	-
Mary Newington H	-	15082	11	13	-	2	-	-	-	-	-	-	-	-	1	1	5	-
Olave Southwark H	-	7663	2	10	1	1	-	-	-	-	-	-	-	-	-	2	1	9
John Horsleydown W	-	11393	8	5	-	2	-	-	-	-	-	-	-	-	-	-	-	1
ther Market	-	16896	10	7	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Mary Magdalen W	-	16505	8	9	3	1	1	-	-	-	-	-	1	-	-	1	-	-
James Bermondsey	-	25154	36	10	2	3	-	1	1	-	-	-	-	-	-	-	-	-
berthio W	-	24502	20	11	2	3	-	-	1	-	-	-	-	-	1	1	1	1
terloo-road 1st	-	15260	8	3	1	1	-	-	-	-	1	-	-	-	-	-	-	-
terloo-road 2nd H	-	18640	11	9	3	1	-	-	1	-	1	-	-	-	-	1	1	-
neth Church 1st	-	19839	11	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
neth Church 2nd W	-	20542	30	12	-	4	-	-	-	-	-	-	1	-	-	-	-	4
nington 1st	-	30755	20	13	1	8	-	-	-	-	1	-	-	-	-	-	-	-
nington 2nd	-	20440	20	9	4	1	-	-	2	-	-	-	-	-	-	-	-	-
xton	-	20067	23	11	3	3	-	-	-	-	-	-	1	-	-	-	-	-
wood W	-	7462	12	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
pham	-	20894	13	11	4	-	-	1	-	-	1	-	-	-	-	-	-	-
tersea W	-	19600	33	21	9	2	-	1	1	-	1	-	-	-	-	-	1	2
ndsworth L	-	18346	12	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ney	-	6481	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
atham	-	10082	1	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-
wich	-	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
berwell W†L†	-	21297	15	12	4	1	-	-	1	-	-	-	1	-	-	-	1	2
khams W	-	23135	28	12	2	4	-	-	-	-	-	-	-	-	-	2	2	-
George Camberwell	-	20333	30	13	5	2	-	-	-	-	1	-	-	-	1	2	2	-
Paul Deptford	-	37834	40	14	5	2	-	1	-	-	2	-	-	-	-	-	-	-
Nicholas Deptford	-	8139	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
enwich West H	-	21696	10	15	1	1	-	2	1	-	1	-	-	-	-	-	-	-
enwich East WH	-	18306	18	20	2	3	-	-	1	-	1	-	1	-	-	-	-	9
ham	-	3009	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
isham Village W	-	11003	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
enham	-	7572	13	5	2	1	-	-	1	-	-	-	-	1	-	-	-	1
enham	-	10595	7	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-
rlton H	-	9276	8	3	-	-	-	1	2	-	-	-	-	-	-	-	-	-
blwich Dockyard H	-	22919	8	6	1	-	-	1	2	-	-	-	-	-	-	-	-	-
blwich Arsenal	-	18776	15	8	2	1	-	-	-	-	-	-	-	1	-	-	-	-
instead West	-	10	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
instead East	-	24502	16	7	2	1	-	-	1	-	3	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
"The Strand - - - - -"	"Mile End Old Town Eastern sub-district. and;
London City - - - - -"	"Bow sub-district.
Do. do. - - - - -"	"Bow sub-district.

Unlabeled Asylums where paupers are admitted.

The return for the sub-district of Hackney-road contains the deaths of 5 children under one year of age, 3 of persons aged 60 years and
 rds; 1 death from whooping-cough, 1 from simple continued fever, and 1 from diarrhœa.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 14th May 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.			BARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE.				WIND.				RAIN.				
Phases of Moon.	Mean daily reading (corrected to 32 deg. Fahr. height).	in.	Dry.				Dew Point.	Highest in the sun, as shown by thermometer.	Lowest on the Grass, as shown by thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers.	Between Dew Point and Air Temperature.		Between mean temperature of the day and mean temperature of the day and night, by Robinson's barometer.	As deduced from Anemometers.		Collected in a Gage whose receiving pipe is 5 in. above the ground.											
			High-est.	Low-est.	Range in day.	Mean daily value.					Mean daily value.	Greatest.		Least.	General Direction.		Pressure on square foot.	Oster's.	Amount of horizontal Movement of Air each day.								
																				A.M.	P.M.	Greatest.	Least.	21 Obs.			
MONTH AND DAY.		Max.	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26						
SUNDAY	First Quarter	30-148	53-5	33-4	20-1	43-6	38-7	86-1	23-2	0	0	0	4-9	13-2	0-0	NE.	E. & ESE.	1-0	0-0	0-1	174	0-00	6				
MONDAY	..	29-982	61-5	29-8	31-7	44-7	39-5	135-9	21-3	..	..	..	5-2	19-5	0-0	NE.	E. & ESE.	1-5	0-0	0-1	172	0-00	5	
TUESDAY	..	29-740	59-9	38-3	21-6	47-5	40-9	129-5	30-0	..	..	..	6-6	17-9	0-0	ESE. & E.	ESE.	0-5	0-0	0-1	164	0-00	3	
WEDNESDAY	..	29-365	60-8	35-2	25-6	48-8	46-5	84-7	26-1	..	..	..	2-3	14-4	0-0	SE.	S. & SSW.	4-6	0-0	0-6	301	0-19	6	
THURSDAY	In Equator	29-351	63-0	47-7	15-3	53-5	45-0	120-5	43-0	..	..	..	7-5	14-8	2-1	SW.	SW.	30-0	0-0	2-8	538	0-00	7	
FRIDAY	..	29-500	60-0	48-7	11-3	51-9	49-7	93-7	42-5	..	..	..	2-2	7-8	0-0	SW.	SSW. & SW.	30-0	0-1	1-7	490	0-18	4	
SATURDAY	Perigee	29-753	65-8	48-2	17-6	55-2	48-0	125-2	42-5	..	..	..	7-2	15-3	2-9	WSW.	SW.	17-1	0-1	1-6	501	0-00	5	
MEANS	..	29-691	60-6	40-2	20-5	49-3	44-2	110-8	32-7	..	..	..	5-1	14-7	0-7	ESE. & SW.	..	..	..	..	Sum 2340	5-1	
		8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
No. of Columns.																											

NOTES.

SKY AND ATMOSPHERE.

ELECTRICITY.

DATE.

MAX.

SUNDAY . 8	Generally cloudy till evening, then cloudless. Slight hoar frost at night.		No electricity was shown.	
MONDAY . 9	Generally cloudy till evening; cloudless at night.		A fine day; light clouds prevailed.	
TUESDAY . 10	Generally cloudy. Solar halo seen for a short time in the morning; and rain fell in the afternoon and evening.		Generally cloudy. A gale of wind.	
WEDNESDAY . 11	Generally overcast till 8h. P.M., and rain fell frequently; very fine afterwards, and variable amounts of cloud prevailed. Strong wind.		The insulating lamp was not burning.	
THURSDAY . 12	A fine day; light clouds generally prevailed.			
FRIDAY . 13				
SATURDAY . 14				

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's and the glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer observed at these times are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845. December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometer readings are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1848, December 31. In reading the 7th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 30-15 in. at the beginning of the week to 30-17 in. by 10h. A.M. on the 8th; decreased to 29-19 in. by 9h. P.M. on the 11th; increased to 29-55 in. by 4h. A.M. on the 13th; decreased to 29-42 in. by 3h. P.M. on the same day; and increased to 29-55 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 20. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, MAY 21. [Price 1d.

*General Register Office, Somerset House,
23d May 1870.*

DURING the week ending Saturday the 21st instant, 5347 *births* and 3066 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 22 deaths annually to every 1000 of the present estimated population. The death-rate during the past six weeks has averaged 23 per 1000 annually.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 21 per 1000, Portsmouth 14, Norwich 24, Bristol 25, Wolverhampton 24, Birmingham 17, Leicester 20, Nottingham 21, Liverpool 25, Manchester 25, Salford 26, Bradford 30, Leeds 24, Sheffield 24, Hull 23, Sunderland 16, and Newcastle-upon-Tyne 21.

In Edinburgh the deaths registered last week were at the annual rate of 22 per 1000 persons living, in Glasgow 25 per 1000, and in Dublin 21.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 34 per 1000 persons living. Small-pox caused 195 deaths last week, as compared with 179 in the previous week.

In Berlin the deaths recorded during the seven days ending 19th instant gave an annual rate of 28 per 1000, and in Vienna during the week ending 14th instant a rate of 40 per 1000.

In the city of Bombay the deaths registered during the week ending April 26th were 241, and the mortality was at the annual rate of 15 per 1000.

In LONDON the *births* of 1217 boys and 1060 girls, in all 2277 children, were registered last week. The *deaths* registered in the same time were 1313. During the corresponding weeks of ten previous years the registered births averaged 1970, and the deaths 1251 per week; after making due allowance for increase of population, the average for the past week is estimated at 2167 births and 1376 deaths; the registered births, therefore, were 110 above, and the deaths 63 below, the estimated average.

The deaths under 5 years of age were 544, at the ages 5 to 20 years they were 119, at 20 to 40 years 195, at 40 to 60 years 199, at 60 to 80 years 208, and 48 at 80 years and upwards. Of infants in their first year 288 died last week, and 256 persons aged 60 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 22, in the Northern group of 23, in the Central group of 23, in the Eastern group of 19, and in the Southern group of 21 per 1000 persons living.

Zymotic diseases caused 281 deaths, including 19 from small-pox, 36 from measles, 81 from scarlet fever, 5 from diphtheria, 11 from croup, 35 from whooping-cough, 7 from typhus, 14 from enteric (or typhoid) fever, 10 from simple continued fever, 2 from relapsing fever, and 17 from diarrhoea.

Small-pox was more fatal than in any week since the first five months of 1868, when the fatal cases ranged from 17 to 33 per week. Of the 19 deaths, 7 occurred to children and 5 to adults in the Small-pox Hospital at Islington, and with the exception of two of the adults who had been vaccinated in infancy, the sufferers were all unvaccinated; the fatal cases had been brought from different parts of the

Metropolis, 3 of them from Little Guildford-street and 1 from Little Coram-street (St. Giles), 1 from Kensington, 1 from Fulham, 1 from St. George-in-the-East, 2 from Stepney, 1 from Pancras, 1 from Camberwell, and 1 (a nurse at the Seamen's Hospital) from Greenwich.

Forty-eight deaths resulted from violence; of these 39 were accidental, including 23 fractures, 5 by drowning, and 6 (infants) by suffocation. Six suicides were returned, one of the cases being that of a ship keeper, aged 68 years, who threw himself under a waggon laden with timber, in High Street, Clapham.

Seven fatal accidents caused by horses or vehicles were returned last week:—A carter, aged 50 years, died on 15th May at University College Hospital, of injuries to thigh from being run over by a cart; a girl, aged 3 years, died at Caledonian Road, of rupture of trachea and fracture of ribs from being run over by an omnibus; a boy, aged 5 years, died on 12th May at the London Hospital, having been run over by an omnibus; a boy, aged 3 years, died on 12th May at Guy's Hospital, having been run over by a cart at Shad Thames; a widow, aged 80 years, died on 10th May at Lewisham Workhouse, of "shock to the system, from being knocked down by a horse;" two ladies, both aged 60 years, died on 9th and 16th May, at Streatham, from injuries caused by their being thrown out of a carriage. The number of fatal street accidents returned during the present year is 64, while, all other things being equal, the experience of former years rendered it probable that 87 fatal cases would have occurred in that time; the actual number has therefore fallen short of the probable number by 23.

In the Public Institutions of the Metropolis 214 deaths were registered; of these 112 occurred in Workhouses, 68 in General Hospitals, 25 in Hospitals for special diseases, 1 in Military and Naval Hospitals, 1 in Hospitals and Asylums for Foreigners, and 7 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·953 in.; the highest was 30·13 in. on Wednesday, and the lowest was 29·69 in. on Monday. The mean temperature of the *air* was 59°·8, or 6°·9 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 85°·4 on Saturday; the lowest night temperature was 42°·1 on Tuesday; the entire range of temperature in the week was, therefore, 43°·3. The highest temperature in the sun was 147°·4 on Saturday. The mean temperature was above the average on every day in the week, the excess being 10°·7 on Thursday, 11°·7 on Friday, and 13°·4 on Saturday. A very active magnetic disturbance was observed throughout the afternoon and evening of Friday. The difference between the mean *dew-point* temperature and *air* temperature was 10°·3. The mean degree of *humidity* of the air was 69, complete saturation being represented by 100. *Rain* fell only on one day in the week (Monday) and the amount measured was 0·04 in. The general direction of the *wind* was S.W. and W.S.W.; and the horizontal movement of the air amounted to 10·7 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 52°·6 in Newcastle-on-Tyne, to 58°·6 in Norwich; the lowest recorded night temperature was 37°·0 in Hull, and the highest day temperature in the shade was 81°·2 in Leicester. A slight fall of rain took place in all the towns excepting Bradford and Hull; the largest amount measured was 0·18 in. at Portsmouth.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 15°·4; the highest day temperature in the shade was 29°·7; the lowest night temperature was 5°·6; the highest temperature in the sun was 64°·1. The mean temperature of the week on an average of 50 years was 11°·6, or 3°·8 below the temperature of last week. The wind blew at the rate of 17 kilometers an hour, and the rain-fall was 0·10 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 166,929 cubic metres, and at Barking 177,843 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTIETH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1702	1935	1870	1875	1814	2192	1919	2263	2223	1911	1970·4	2277
Males . .	867	1013	938	919	918	1083	970	1165	1104	950	992·7	1217
Females .	835	922	932	956	896	1109	949	1098	1119	961	977·7	1060
TOTAL Deaths	1090	1219	1125	1350	1421	1168	1467	1119	1268	1281	1250·8	1313
Males . .	577	624	579	703	761	622	778	595	691	677	660·7	697
Females .	513	595	546	647	660	546	689	524	577	604	590·1	616

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69, after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Feb. 26.	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.	Apr. 2.	Apr. 9.	Apr. 16.	Apr. 23.	Apr. 30.	May 7.	May 14.	May 21.
TOTAL Deaths	1861	1673	1499	1532	1478	1625	1631	1475	1487	1394	1314	1426	1313
Deaths under 5 years of age	713	640	547	613	577	665	626	591	611	538	515	589	544
Deaths 5—20	120	116	93	101	104	120	111	86	110	109	95	112	119
Deaths 20—40	214	218	221	218	217	214	213	196	208	220	199	215	195
Deaths 40—60	313	286	280	259	241	231	292	261	252	238	242	230	199
Deaths 60—80	412	341	304	272	271	269	311	280	254	234	219	238	208
Deaths at 80 years & upwards	89	72	54	69	68	76	78	61	52	55	44	42	48
Deaths from Small-pox	11	8	6	3	5	8	8	2	10	3	9	6	19
" Measles	18	21	17	20	19	30	34	28	32	32	49	42	36
" Scarlet Fever	111	78	69	81	56	78	71	70	77	68	74	76	81
" Diphtheria	5	8	6	4	5	2	3	9	3	6	1	3	5
" Whooping-cough	79	58	49	65	59	68	61	55	51	61	33	43	35
" Typhus fever	8	6	4	8	10	6	6	6	10	13	8	7	7
" Enteric (or Typhoid) fever	11	14	19	8	16	11	18	16	18	15	11	15	14
" Simple Cont. fever	13	15	10	13	10	12	14	8	10	11	12	11	12
" Diarrhœa	15	16	14	11	9	13	16	18	17	13	14	14	17
" Phthisis	226	171	209	193	184	202	198	200	173	193	188	200	165
" Bronchitis	323	305	232	212	221	231	259	196	176	133	123	136	116
" Pneumonia	90	89	98	86	93	107	107	66	91	86	67	59	65
" Heart Disease	77	76	54	74	65	76	69	65	78	64	51	70	59
Mean Temperature of the Air	36·9	45·8	38·4	41·0	38·1	37·2	45·5	50·1	55·0	47·7	45·6	49·3	59·8
Mean Temperature of the Water of the Thames	33·2	40·2	39·6	42·3	43·4	39·4	43·4	45·3	—	—	—	—	—
Humidity of the Air	75	85	81	82	83	80	71	71	61	76	76	83	69
Rain-fall in inches	0·05	1·22	0·02	0·44	0·37	0·00	0·07	0·07	0·00	0·13	0·02	0·37	0·04

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. Melandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 21st day of May 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 21st May.	DEATHS registered during the Week ending 21st May.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- meters.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	5347	3066	85·4	37·0	56·5	13·61	0·13	0·3
LONDON - - -	77,997	3,214,707	41·2	2277	1313	85·4	42·1	59·8	15·44	0·04	0·1
PORTSMOUTH - -	9,513	122,084	12·8	69	34	77·7	41·9	55·0	12·78	0·18	0·4
NORWICH - - -	7,472	81,087	10·9	64	38	80·0	41·7	58·6	14·78	0·05	0·1
BRISTOL - - -	4,688	171,382	36·6	140	82	70·4	42·8	54·2	12·33	0·01	0·0
WOLVERHAMPTON -	3,387	72,990	21·5	67	34	78·1	42·2	56·2	13·44	0·01	0·0
BIRMINGHAM - -	7,831	369,604	47·2	284	123	77·2	43·1	56·7	13·72	0·10	0·2
LEICESTER - - -	3,200	97,427	30·4	71	38	81·2	39·5	57·7	14·28	0·02	0·0
NOTTINGHAM - -	1,996	88,888	44·5	50	36	72·6	39·9	56·2	13·44	0·04	0·1
LIVERPOOL - - -	5,108	517,567	101·3	411	248	75·4	46·7	56·8	13·78	0·03	0·2
MANCHESTER - -	4,486	374,993	83·6	290	178	80·3	41·0	57·8	14·33	0·03	0·0
SALFORD - - -	5,172	121,580	23·5	102	61	78·4	40·8	56·3	13·50	0·07	0·1
BRADFORD - - -	6,590	143,197	21·7	138	81	72·4	44·9	57·8	14·33	0·00	0·0
LEEDS - - -	21,572	259,527	12·0	237	120	75·0	44·0	58·3	14·61	0·04	0·1
SHEFFIELD - - -	22,830	247,378	10·8	175	112	78·0	42·5	57·8	14·33	0·03	0·0
HULL - - -	3,562	130,869	36·7	89	57	78·0	37·0	57·3	14·05	0·00	0·0
SUNDERLAND - -	3,306	100,979	30·5	83	30	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	107	53	64·0	45·0	52·6	11·44	0·11	0·2
EDINBURGH - - -	4,427	178,970	40·4	131	75	65·7	45·0	55·5	13·05	0·20	0·5
GLASGOW - - -	5,063	468,189	92·5	390	224	61·5	45·5	52·0	11·11	1·05	2·6
DUBLIN - - -	9,745	321,540	33·0	163	129	74·4	40·0	56·6	13·66	0·38	0·9
PARIS - - -	7,802	1,889,842	242	—	1239	—	—	—	—	—	—
VIENNA - - -	3,728*	622,087	167	Week ending 14 May 1870. —	Week ending 14 May 1870. 477	—	—	62·2	16·75	—	—
BERLIN - - -	6,253	800,000	128	Week ending 19 May 1870. 563	Week ending 19 May 1870. 436	—	—	61·9	16·62	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 21st day of May 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Houses.	
LONDON - - -	21	1313	288	256	19	36	81	5	35	33	17	48	90	214	
PORTSMOUTH - -	14	34	7	7	1	-	3	-	1	2	1	1	2	7	
NORWICH - - -	24	38	10	11	-	-	1	-	-	2	-	-	1	3	
BRISTOL - - -	25	82	24	20	-	2	6	-	1	-	2	1	3	13	
WOLVERHAMPTON -	24	34	11	7	-	-	1	3	-	2	2	-	-	6	
BIRMINGHAM - -	17	123	34	29	-	-	2	-	1	4	1	6	12	14	
LEICESTER - - -	20	38	18	4	-	-	-	-	1	1	-	1	3	2	
NOTTINGHAM - -	21	36	5	10	-	-	2	-	1	-	-	1	-	1	
LIVERPOOL - - -	25	248	57	53	-	1	11	2	8	7	4	11	18	47	
MANCHESTER - -	25	178	49	36	1	-	3	3	6	9	5	3	8	33	
SALFORD - - -	26	61	19	14	-	-	2	-	1	1	1	2	4	10	
BRADFORD - - -	30	81	21	13	-	4	9	1	3	3	-	2	6	8	
LEEDS - - -	24	120	35	18	1	1	7	1	3	4	-	1	6	10	
SHEFFIELD - - -	24	112	23	23	-	-	13	1	2	2	2	4	5	18	
HULL - - -	23	57	11	12	-	-	8	-	-	4	2	2	2	6	
SUNDERLAND - -	16	30	9	4	-	-	-	1	1	-	-	2	2	2	
NEWCASTLE-ON-TYNE -	21	53	9	10	-	-	1	-	3	1	1	4	5	8	
DUBLIN - - -	21	129	15	33	-	1	7	1	-	13	2	4	6	34	

TABLE 5.—DEATHS in LONDON Registered in the TWENTIETH Week of the Year 1870.

		In the Week ending Saturday, May 21, 1870.								
USES OF DEATH.		Averages of the Twentieth Week in the 10 years 1860-69.	Deaths of Persons of the Ages							
			ALL AGES.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
Mean Temperature -		52° 9	59° 8	0-5. 5-10.	10-15.	15-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES -		1250° 8	1313	544	119	195	199	208	48	
SPECIFIED CAUSES		1237° 0	1307	539	119	195	198	203	48	
ZYMOVIC DISEASES.										
ORDER 1.										
Small-pox	-	17 5	19	9	3	7	-	-	-	
Casles	-	39 5	36	36	-	-	-	-	-	
Scarlet Fever (Scarlatina)	-	39 2	81	48	30	3	-	-	-	
Epidemic Typhus	-	9 0	5	4	-	1	-	-	-	
Diphtheria	-	7	2	2	-	-	-	-	-	
Roupy	-	14 2	11	10	1	-	-	-	-	
Whooping cough	-	62 2	35	34	1	-	-	-	-	
Typhus	-	7	7	2	1	-	1	3	-	
Enteric or Typhoid Fever	-	43 0	14	-	7	4	1	2	-	
Simple continued Fever	-	9	12	6	2	2	3	2	-	
Erysipelas	-	4 9	4	-	-	1	2	-	-	
Intermittent Fever (Malaria)	-	2 4	3	-	-	3	1	2	-	
Arteriole	-	1 6	-	-	-	-	-	-	-	
Influenza	-	1 1	-	-	-	-	-	-	-	
Gonorrhoea	-	1 9	2	1	1	-	-	-	-	
Barrhea	-	14 0	17	13	-	1	1	2	-	
Triple Cholera	-	9	-	-	-	-	-	-	-	
Quae	-	6	-	-	-	-	-	-	-	
Emitment Fever	-	1 2	-	-	-	-	-	-	-	
Hematuria	-	8 3	9	-	2	2	3	1	1	
Other Zymotic Diseases	-	-	-	-	-	-	-	-	-	
ORDER 2.										
Scrophulous	-	5 4	9	8	-	1	-	-	-	
Stricture of Urethra	-	1 6	3	-	1	2	-	-	-	
Hydrophobia	-	-	-	-	-	-	-	-	-	
Lambers	-	-	-	-	-	-	-	-	-	
ORDER 3.										
Priapism	-	5	-	-	-	-	-	-	-	
Ant of Breast-milk	-	5 2	7	7	-	-	-	-	-	
Eruptive and Scurvy	-	2 8	1	1	-	-	-	-	-	
Acid - Del Tremens	-	3 2	-	-	-	-	-	-	-	
Alcoholism / Intemperance	-	1 0	1	-	-	1	-	-	-	
ORDER 4.										
Grush	-	3 5	3	3	-	-	-	-	-	
Formis, &c.	-	3	-	-	-	-	-	-	-	
INSTITUTIONAL DIS.										
ORDER 1.										
Out	-	1 9	1	-	-	1	-	-	-	
Prosy	-	13 3	16	5	2	1	1	7	-	
Ucer	-	29 4	25	1	-	2	13	7	2	
Antrum Oris (Noma)	-	1 0	-	-	-	-	-	-	-	
Orificiation	-	2 3	5	-	-	1	-	4	-	
ORDER 2.										
Profula	-	8 9	14	9	4	-	1	-	-	
Abes Mesenterica	-	18 0	15	14	-	1	-	-	-	
Thysis	-	176 4	165	13	14	89	42	7	-	
Hydrocephalus	-	29 1	39	35	4	-	-	-	-	
LOCAL DISEASES.										
ORDER 1.										
Ophthalmitis	-	13 8	18	12	4	1	1	-	-	
Oxoplexy	-	31 5	45	4	1	7	14	16	3	
Analysia	-	27 6	30	1	1	1	9	16	2	
Insanity	-	2 1	2	-	-	2	-	-	-	
Borea	-	6 1	-	-	-	-	-	-	-	
Quincy	-	6 7	11	-	4	2	4	1	-	
Convulsions	-	45 2	38	58	-	-	-	-	-	
Brain Disease, &c.	-	17 0	19	5	1	4	4	5	-	
ORDER 2.										
Pericarditis	-	1 8	3	-	1	1	1	-	-	
Neurism	-	1 6	3	-	-	1	2	-	-	
Heart Disease, &c.	-	54 7	59	1	4	13	24	16	1	
ORDER 3.										
Arteritis	-	5 9	4	4	-	-	-	-	-	
Tracheitis	-	101 9	116	42	2	3	19	41	9	
Leurisy	-	3 6	4	1	-	2	1	-	-	
Pneumonia	-	68 0	65	36	1	9	5	6	9	
Asthma	-	5 3	5	7	-	2	-	-	-	
Lung Disease, &c.	-	12 3	18	7	1	1	2	2	-	
ORDER 4.										
Arteritis	-	1 4	5	2	-	1	-	1	1	
Enteritis	-	5 5	1	-	-	1	-	-	-	
Peritonitis	-	4 6	9	4	1	2	1	-	1	
Scites	-	2 6	4	-	-	-	2	2	-	
Obstruction of Intestines	-	2 7	4	-	-	2	2	-	-	
Peria	-	2 6	4	1	-	-	2	1	-	
Peris	-	2 3	3	-	-	-	2	1	-	
Pneumosepsion	-	1 4	4	1	1	-	1	1	-	

		In the Week ending Saturday, May 21, 1870.								
CAUSES OF DEATH.		Averages of the Twentieth Week in the 10 years 1860-69.	Deaths of Persons of the Ages							
			ALL AGES.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
Mean Temperature -		52° 9	59° 8	0-5. 5-10.	10-15.	15-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
9. Stricture of Intestines		1 0	-	-	-	-	-	-	-	
10. Fistula		5 3	-	-	-	-	-	-	-	
11. Stomach Disease, &c.		7 2	7	4	-	2	-	1	-	
12. Pancreas Disease, &c.		13	4	-	-	-	-	-	-	
13. Hepatitis		3 0	2	-	1	-	1	-	-	
14. Jaundice		3 5	4	1	-	1	1	1	-	
15. Liver Disease, &c.		14 6	14	-	-	2	6	6	-	
16. Spleen Disease, &c.		7	-	-	-	-	-	-	-	
ORDER 5.										
1. Nephritis	-	1 2	4	2	1	1	-	-	-	
2. Isenuria	-	3	1	-	-	1	-	-	-	
3. Bright's Disease (Nephria)	-	8 0	7	1	-	1	4	1	-	
4. Diabetes	-	1 7	2	-	-	1	1	-	-	
5. Calculus (Stone)	-	8	2	-	-	-	-	-	1	
6. Cystitis	-	4	-	-	-	-	-	-	-	
7. Kidney Disease, &c.	-	6 5	7	-	-	1	1	5	-	
ORDER 6.										
1. Ovarian Dropsy	-	6	-	-	-	-	-	-	-	
2. Uterus Disease, &c.	-	4 5	5	-	-	1	3	1	-	
ORDER 7.										
1. Synovitis (Arthritis)	-	1	-	-	-	-	-	-	-	
2. Joint Disease, &c.	-	5 1	4	-	3	-	1	-	-	
ORDER 8.										
1. Phlegmon	-	1 5	6	1	-	3	1	1	-	
2. Ulcer	-	2 0	1	-	-	1	-	-	-	
3. Skin Disease, &c.	-	1 6	-	-	-	-	-	-	-	
IV. DEVELOPMENTAL DISEASES.										
ORDER 1.										
1. Premature Birth	-	21 3	23	23	-	-	-	-	-	
2. Cyanosis	-	1 9	1	1	-	-	-	-	-	
3. Spina Biida	-	7	1	1	-	-	-	-	-	
4. Other Malformations	-	2 4	2	2	-	-	-	-	-	
5. Teething	-	14 7	18	18	-	-	-	-	-	
ORDER 2.										
1. Paramenia	-	4	1	-	1	-	-	-	-	
2. Childbirth (see Puer- peral Fever)	-	5 1	6	-	-	6	-	-	-	
ORDER 3.										
1. Old Age	-	44 5	54	-	-	-	-	32	22	
ORDER 4.										
1. Atrophy and Debility	-	52 0	37	32	-	1	1	3	-	
V. VIOLENT DEATHS, &c.										
ORDER 1.										
(ACCIDENT OR NEGLIGENCE.)										
1. Fractures and Contusions	-	15 1	23	3	4	4	6	4	3	
2. Wounds	-	3	-	-	-	-	-	-	-	
3. Burns and Scalds	-	4 2	2	-	1	-	-	-	1	
4. Poison	-	1 1	-	-	-	-	-	-	-	
5. Drowning	-	5 5	5	-	1	1	3	-	-	
6. Suffocation	-	4 7	6	6	-	-	-	-	-	
7. Otherwise	-	2 4	3	2	1	-	-	-	-	
ORDER 3.										
(HOMICIDE.)										
1. Murder and Manslaughter	-	2 3	3	1	-	-	1	-	1	
ORDER 4.										
(SUICIDE.)										
1. Wounds { Gunshot	-	4	-	-	-	-	-	-	-	
2. Poison { Cut, Stab	-	1 3	2	-	-	-	2	-	-	
3. Drowning	-	4	-	-	-	-	-	-	-	
4. Hanging	-	1 1	2	-	1	1	-	-	-	
5. Otherwise	-	2 2	2	-	-	1	-	1	-	
ORDER 5.										
(EXECUTION.)										
1. Hanging	-	-	-	-	-	-	-	-	-	
Violent Deaths (not classed)		5	-	-	-	-	-	-	-	
Sudden Deaths (Cause un- ascertained)		1 6	4	4	-	-	-	-	-	
Causes not specified or ill- defined		12 2	2	1	-	-	1	-	-	

RE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
LONDON		2,803,989	2277	1313	288	256	19	36	81	5	35	7	14	12	17	48	90	21
WEST DISTRICTS		458,123	859	225	46	45	1	5	24	1	1	1	1	3	2	10	12	33
NORTH DISTRICTS		618,210	502	322	69	64	13	15	25	1	5	2	4	3	1	7	24	56
CENTRAL DISTRICTS		383,321	223	158	31	31	-	7	6	-	3	-	2	-	3	4	8	31
EAST DISTRICTS		571,153	543	230	59	35	3	4	3	1	9	4	1	2	7	13	26	45
SOUTH DISTRICTS		773,175	650	378	83	81	2	5	23	2	17	-	6	4	4	14	20	49
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	41	20	4	3	-	1	2	-	-	-	-	-	1	-	-	3
St. John Paddington H		36769	21	13	-	4	-	-	-	-	-	-	-	-	-	3	1	2
Kensington Town W		51910	70	35	7	6	-	1	2	-	-	-	-	-	-	-	2	2
Brompton H		18198	13	17	3	5	-	-	-	-	-	-	-	-	-	-	-	-
St. Peter Hammersmith		5415	9	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H		19104	23	8	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Fulham W		15339	17	11	4	-	-	-	-	-	-	-	-	-	-	1	1	-
Chelsea South H		21654	16	14	2	3	-	-	2	-	-	-	-	-	-	2	2	-
Chelsea North-west HW		19899	20	16	2	1	-	1	3	-	-	-	-	-	-	-	-	-
Chelsea North-east		21886	9	12	2	1	-	2	1	-	-	-	-	-	-	-	-	-
Hanover Square		19773	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
May Fair W		12885	5	5	-	3	-	-	1	-	-	-	-	-	-	-	-	3
Belgrave H		55113	35	26	4	2	-	-	4	-	-	-	-	-	-	1	1	8
St. John Westminster		37483	23	10	5	-	-	-	-	1	-	-	-	1	-	-	-	-
St. Margaret Westminster WH		30730	22	22	7	4	1	-	-	-	1	-	-	-	3	3	9	-
St. James's Square		10753	3	2	-	1	-	-	-	-	-	-	-	1	-	-	-	-
Golden Square W		13966	14	8	1	6	-	-	-	-	-	-	-	-	-	-	2	3
Berwick-street		10607	3	3	-	-	-	-	1	-	-	-	-	-	1	-	-	-
St. Anne Soho		17426	9	3	1	-	-	-	1	-	-	-	1	-	-	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	19	21	6	4	-	1	-	-	1	-	-	-	-	1	4	6
Cavendish Square		15090	7	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W		26692	13	18	3	4	-	1	1	-	-	-	-	-	-	-	-	-
St. Mary Marylebone H		22493	25	7	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone		34913	12	12	5	2	-	1	-	-	-	-	-	1	-	-	-	-
St. John Marylebone		32540	25	10	1	5	-	-	-	1	-	-	-	-	-	1	-	-
Hampstead WH		19106	17	11	2	2	-	-	3	-	-	-	-	-	-	-	-	1
Regent's Park Pancras		34927	21	18	5	3	-	1	-	1	-	-	-	-	-	-	1	1
Tottenham-court WH		29371	19	18	4	2	-	3	-	-	-	-	-	-	1	1	3	-
Gray's Inn Lane H		27808	22	16	5	2	-	-	-	1	-	-	-	-	-	-	2	6
Somers Town		39099	25	12	-	1	-	1	-	-	1	-	-	-	-	1	2	5
Camden Town W		23266	16	10	3	4	-	1	1	-	-	-	-	-	-	2	5	4
Kentish Town		44317	46	24	8	2	1	1	1	-	-	-	-	-	1	-	1	-
Islington West* WHH		75442	80	61	10	13	12	-	8	-	2	2	1	-	1	3	24	-
Islington East W		79899	73	42	10	9	-	1	3	1	-	1	-	-	1	4	-	-
Stoke Newington		6603	5	4	1	-	-	3	-	-	-	-	-	-	-	-	-	-
Stamford Hill		5483	5	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-
West Hackney		24265	16	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Hackney WHW		31481	34	20	3	8	-	-	-	-	-	-	-	-	-	-	1	8
South Hackney L		15458	22	5	1	-	-	-	2	-	-	-	-	-	-	-	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	10	7	-	3	-	-	-	-	-	-	1	-	-	-	1	-
St. Giles South WH		19483	10	12	1	3	-	-	-	-	-	-	-	-	-	-	1	7
St. Giles North		17201	10	9	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Long Acre		11618	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Charing Cross WH		11071	5	4	-	1	-	1	-	-	-	-	-	-	-	-	-	3
St. Mary-le-Strand		10346	2	7	3	1	-	-	-	-	-	-	-	-	-	1	1	-
St. Clement Danes H		15207	4	9	1	1	-	-	-	-	-	-	-	-	-	-	-	3
St. George-the-Martyr H		19903	18	7	-	1	-	-	-	-	-	-	-	-	-	-	1	2
St. Andrew East Holborn W		12947	8	13	3	6	-	2	-	-	-	-	-	-	1	-	6	-
Saffron Hill		12012	4	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W		19152	14	12	4	1	-	-	-	-	-	-	-	-	-	1	1	2
Amwell Clerkenwell		17250	17	13	1	1	-	1	-	-	-	-	-	-	-	-	-	-
Pentonville		13079	13	5	3	-	-	-	-	-	1	-	-	-	1	-	-	-
Goswell-street		16200	14	11	2	1	-	1	2	-	-	-	-	-	-	-	-	-
Old-street		11504	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City-road HL		17860	24	13	3	3	-	-	-	1	-	-	1	-	-	1	2	-
Whitcross-street		14778	11	6	3	2	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury		12951	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph East London		26990	10	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate		18697	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre WH		11750	6	10	1	-	-	-	1	-	-	-	-	-	-	1	1	8
St. Bride W		16395	7	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Castle Baynard		7762	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9020	-	3	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Queenhithe		8570	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking		8659	1	4	1	1	-	2	-	-	-	-	-	-	-	-	-	-
Broad Street		11544	6	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Public Officials of Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, MEASLES, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT during, 21st May 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																		
Lywell Shoreditch	-	17313	5	6	3	-	-	-	-	1	-	1	-	-	-	-	-	-
Leonard Shoreditch	L	19188	20	8	4	-	-	-	-	-	-	1	-	-	-	-	-	2
Hoxton New Town	W	26516	23	4	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Hoxton Old Town	-	25777	26	7	1	3	-	-	-	-	-	1	1	-	1	-	-	-
Haggerstone West	W	23260	18	15	5	3	-	-	-	-	-	1	1	-	-	-	-	-
Haggerstone East	-	17310	21	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Hackney road	-	26298	25	13	7	-	-	1	-	-	-	-	-	-	1	-	-	-
St. Paul's, Bethnal Green	WHL	31789	33	14	2	2	-	-	-	-	-	-	-	-	-	2	6	-
St. Paul's, Bethnal Green	-	25528	29	9	2	-	-	-	-	-	-	1	1	-	1	-	-	4
St. Paul's, Bethnal Green	-	21486	27	8	3	-	-	-	1	-	-	-	-	-	-	1	-	-
St. Mary's Whitechapel	-	6557	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary's Whitechapel	-	15700	9	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary's End New Town	W	15392	12	13	2	2	-	-	1	-	-	1	-	-	-	-	2	-
St. Mary's Whitechapel North	-	12122	11	2	1	-	-	-	-	-	-	-	-	-	-	-	1	6
St. Mary's Whitechapel Church	H	8962	5	11	2	-	-	-	-	-	-	-	-	-	-	1	5	9
St. Mary's Fields	-	11166	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary's Fields	-	9971	4	6	2	-	-	-	-	-	-	-	-	-	-	2	3	-
Mary St. George East	-	18181	19	5	1	-	-	-	-	-	-	-	-	1	1	-	-	-
Paul St. George East	-	21015	9	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-
John St. George East	W	9695	10	7	1	2	-	-	-	1	-	-	1	-	-	1	1	4
Adwell W	-	12537	7	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Cliff W	-	16874	10	5	2	-	-	-	-	-	-	-	-	-	-	-	1	-
House W	-	27161	23	10	1	1	-	-	1	-	-	-	-	-	-	-	-	2
St. Mary's End Old Town West	-	83747	36	10	3	1	1	-	-	-	-	-	-	-	-	-	-	-
St. Mary's End Old Town East	W	83317	47	17	7	4	1	-	1	-	1	-	-	-	-	1	-	1
St. Mary's W	-	35667	56	24	8	9	-	-	-	-	-	1	-	-	-	-	1	7
St. Mary's W	-	43329	51	16	2	4	-	-	-	-	-	-	1	-	1	1	2	4
SOUTH DISTRICTS.																		
St. Andrew's Southwark	W	17069	11	10	-	4	-	-	-	-	-	-	-	-	-	1	1	4
Saviour Southwark	H	19101	10	5	4	1	-	-	-	-	-	1	-	-	-	-	1	-
St. Andrew's road	-	19652	18	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's road W	-	16658	6	7	-	1	-	-	-	1	-	-	-	-	-	-	-	2
St. Andrew's road L	-	19199	6	9	3	1	-	-	-	-	-	1	-	-	-	-	-	3
St. Mary's Newington	-	22975	9	8	3	3	-	-	-	-	-	1	-	-	-	-	-	-
St. Peter's Walworth	W	44463	37	25	6	7	-	-	-	-	-	-	-	1	-	-	-	-
Mary Newington	H	15682	9	2	1	-	-	-	-	-	-	1	-	-	-	-	-	6
Olive Southwark	H	7683	-	10	-	-	-	-	-	-	-	-	-	-	-	1	1	-
John Horsleydown	W	11803	4	6	-	2	-	-	-	-	-	-	-	-	1	1	1	8
St. Andrew's Market	-	16696	12	5	4	1	-	-	-	1	-	2	-	-	-	1	1	2
Mary Magdalen W	-	16505	18	11	2	4	-	-	-	-	-	-	-	-	-	1	1	-
James Bermondsey	-	25154	36	18	5	5	-	-	-	-	-	-	1	-	-	-	-	3
Bertholme W	-	24502	23	7	2	1	-	-	-	1	-	-	-	-	-	1	1	-
St. Andrew's road 1st	-	15269	13	7	2	1	-	-	-	1	-	-	-	-	-	1	-	-
St. Andrew's road 2nd	H	18640	19	9	3	-	-	-	-	1	-	1	-	-	-	-	-	-
St. Andrew's Church 1st	-	19839	16	8	2	1	-	-	1	-	-	-	-	-	-	-	1	-
St. Andrew's Church 2nd	W	29542	29	16	2	7	-	-	-	-	-	-	-	1	-	-	-	-
St. Andrew's 1st	-	30785	31	20	3	4	-	-	-	1	-	-	-	-	-	-	-	8
St. Andrew's 2nd	-	20440	14	8	2	2	-	-	-	1	-	-	-	-	-	-	-	-
St. Andrew's	-	20067	20	11	3	1	-	-	-	1	-	-	-	-	-	1	-	-
St. Andrew's W	-	7462	11	3	1	1	-	-	-	-	-	1	-	-	-	-	-	-
St. Andrew's	-	20894	14	6	2	2	-	-	-	-	-	-	-	-	-	1	1	1
St. Andrew's W	-	18600	39	19	3	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's L	-	18346	18	1	-	-	-	-	-	3	-	-	1	-	-	-	-	3
St. Andrew's	-	6481	4	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-
St. Andrew's	-	10082	6	7	2	3	-	-	-	1	-	-	-	-	-	3	3	-
St. Andrew's	-	1723	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's W/L	L	21297	17	15	5	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's W	-	28136	22	17	4	5	1	-	-	1	-	-	-	-	-	-	1	2
St. Andrew's Camberwell	-	20333	25	11	4	2	1	-	-	1	-	-	-	1	-	-	-	-
St. Andrew's	-	37884	52	22	6	4	-	1	-	-	-	2	-	-	-	2	4	-
St. Andrew's	-	8139	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's West	H	21696	12	8	2	1	-	-	-	2	1	-	-	-	-	-	-	-
St. Andrew's East	W	18306	11	12	1	5	-	-	1	-	-	-	1	-	-	-	-	6
St. Andrew's	-	3009	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	11003	7	7	1	2	-	-	-	-	-	-	1	-	-	-	-	-
St. Andrew's Village	W	7372	3	1	1	-	-	-	-	-	-	-	-	-	-	1	1	1
St. Andrew's	-	10595	17	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	9276	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's Dockyard	H	22919	9	4	1	-	-	-	-	1	-	-	-	-	-	-	-	-
St. Andrew's Arsenal	H	18776	19	6	2	-	-	-	2	1	-	-	-	-	-	-	-	-
St. Andrew's West	-	-	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's East	-	24502	7	6	1	-	-	-	1	1	-	-	-	-	-	-	1	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
 The Strand " " Tottenham-court sub-district.
 London City " " Islington East.
 Do. do. " " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.
 Mile End Old Town Eastern sub-dist. and
 Bow sub-district.
 Stepney " " Bow sub-district.

Pauper Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS MADE AT THE ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 21st May 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE.				Degrees of the mid- nity, complete tion, by 100.		WIND.				RAIN.	
Phases of Moon.	Time of rected and re- duced to mean (height).	Mean daily (cor- rected)	Low- est.	High- est.	Dry.			Dew Point.	Highest in the sun, as a self-reg- istering thermo- meter.	Lowest in the shading thermo- meter.	In the Water of Greenwich, by a self-reg- istering thermo- meter.		Between Dew Point & Temperature Air Temperature		Between mean tem- perature of the day and the same day on an average of 50 years.*	As deduced from Anemometers.	Pressure on square foot of Air each day.		Collected Gauge where receiving surface of Air above the ground.	Miles.	Inches				
					Range in day.	Mean daily value.	Mean daily value.				Mean daily value.	Least est.	Great- est.	Least est.			Great- est.	Least est.				Great- est.	Least est.	P.M.	A.M.
MAY.																									
SUNDAY	15	Full	29.797	65.7	44.0	21.7	54.4	47.2	125.9	33.3	0	0	7.2	13.5	0.0	+ 2.4	77	SSW.	2.1	0.0	0.3	246	0.00	6	
MONDAY	16	..	29.740	66.0	48.3	17.7	54.0	48.3	133.2	42.1	..	..	5.7	15.8	0.0	+ 1.7	81	SW. & Calm & WSW.	1.4	0.0	0.1	216	0.04	3
TUESDAY	17	..	30.060	67.8	42.1	25.7	54.2	45.8	138.2	34.7	..	..	7.4	16.6	0.4	+ 1.6	76	WSW.	3.6	0.0	0.4	316	0.00	4
WEDNESDAY	18	Greatest Dec. S.	30.098	76.2	42.3	33.9	59.8	50.1	139.5	33.6	..	..	9.7	21.3	0.0	+ 6.9	71	SW. & WSW.	1.9	0.0	0.2	252	0.00	5
THURSDAY	19	..	30.023	81.2	47.2	34.0	63.9	49.8	142.7	37.5	..	..	14.1	27.5	0.0	+ 10.7	60	WSW.	1.9	0.0	0.2	239	0.00	4
FRIDAY	20	..	30.000	80.7	49.1	31.6	65.2	52.0	144.5	40.0	..	..	13.2	26.0	0.0	+ 11.7	62	WSW.	1.5	0.0	0.3	306	0.00	4
SATURDAY	21	..	29.953	85.4	51.4	34.0	67.2	52.5	147.4	44.3	..	..	14.7	30.7	0.4	+ 13.4	59	WSW. & WSW.	0.9	0.0	0.1	217	0.00	4
MEANS		..	29.953	74.7	46.3	28.4	59.8	49.5	138.8	33.6	..	..	10.3	21.6	0.1	+ 6.9	69	SW. & WSW.	..	..	..	Sum 1792	Sum 0.04	4.3
No. of Columns.		8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

NOTES.

SKY AND ATMOSPHERE.

ELECTRICITY.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's first glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1853, December 31.

* In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.85 in. at the beginning of the week to 29.69 in. by 9h. A.M. on the 16th; increased to 30.13 in. by 9h. A.M. on the 18th; decreased to 29.98 in. by 9h. P.M. on the 19th; increased to 30.02 in. by 9h. A.M. on the 21st; and was 29.88 in. by the end of the week.

Generally cloudy till evening, and rain fell occasionally. Cloudless at night.

A fine day; light clouds prevailed.

A very fine day; light clouds were generally prevalent. A fine solar halo was seen during the greater part of the day.

A very fine day; a few light clouds occasionally prevailed. Lightning was seen at night.

A very fine day; light clouds prevailed. Faint auroral streamers were seen for a short time between 11h. P.M. and midnight.

A very fine day; light clouds prevailed. A portion of a solar halo was seen about noon. A very active magnetic disturbance was recorded throughout the afternoon and evening, and aurora borealis was observed.

A very fine day; a few light clouds generally prevailed till evening, then cloudless. Lightning was seen at night.

The insulating lamp was not burning throughout the week.

DATE.

MAY.

SUNDAY 15

MONDAY 16

TUESDAY 17

WEDNESDAY 18

THURSDAY 19

FRIDAY 20

SATURDAY 21

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 21. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, MAY 28. [Price 1½d.

*General Register Office, Somerset House,
30th May 1870.*

DURING the week ending Saturday the 28th instant, 5002 *births* and 2996 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 22 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 20 per 1000; Portsmouth 21, Norwich 13, Bristol 27, Wolverhampton 23, Birmingham 20, Leicester 25, Nottingham 12, Liverpool 23, Manchester 24, Salford 21, Bradford 26, Leeds 26, Sheffield 23, Hull 18, Sunderland 18, and Newcastle-upon-Tyne 20.

In Edinburgh the deaths registered last week were at the annual rate of 26 per 1000 persons living, in Glasgow 27 per 1000, and in Dublin 23.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 35 per 1000 persons living. Small-pox continues to increase in fatality, the deaths having risen last week to 218 from 195 in the preceding week.

In Berlin the deaths recorded during the seven days ending 26th instant gave an annual rate of 28 per 1000, and in Vienna during the week ending 21st instant a rate of 42 per 1000.

In LONDON the *births* of 1134 boys and 1085 girls, in all 2219 children, were registered last week. The *deaths* registered in the same time were 1239. During the corresponding weeks of ten previous years the registered births averaged 1916, and the deaths 1245 per week; after making due allowance for increase of population, the average for the past week is estimated at 2108 births and 1370 deaths; the registered births, therefore, were 111 above, and the deaths 131 below, the estimated average. May is ordinarily one of the healthiest periods of the year in London, and the month now closed has been no exception to the rule, the death-rate having averaged 21 per 1000 annually during the past four weeks.

The deaths under 5 years of age were 515, at the ages 5 to 20 years they were 95, at 20 to 40 years 193, at 40 to 60 years 206, at 60 to 80 years 196, and 34 at 80 years and upwards. Of infants in their first year 268 died, and 230 persons aged 60 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 20, in the Northern group of 20, in the Central group of 22, in the Eastern group of 22, and in the Southern group of 18 per 1000 persons living.

Zymotic diseases caused 257 deaths, including 11 from small-pox, 31 from measles, 90 from scarlet fever, 3 from diphtheria, 7 from croup, 28 from whooping-cough, 8 from typhus, 13 from enteric (or typhoid) fever, 10 from simple continued fever, 1 from relapsing fever, 10 from erysipelas, and 13 from diarrhœa.

Sixty deaths resulted from violence; of these 45 were accidental, including 18 fractures, 8 burns or scalds, 6 by drowning, and 3 (infants) by suffocation. One of the deaths by drowning was that of a boy aged 5 years in the railway cutting between Quaker Street and Phoenix Street, Spitalfields; the Registrar appends the following note to the entry of the death,—“the state of the cutting in which this death took place calls for immediate and stringent measures to get rid of the nuisance which it is to the neighbourhood.” The death of an infant 8 months' old

was registered from "bites on the face and head by a rat whilst in bed." A boy 11 years old died suddenly on 21st May of "congestion of brain from sun stroke."

Four fatal accidents caused by horses or vehicles in the streets were returned last week: a youth, aged 15 years, died in the Middlesex Hospital on 18th May from fractured ribs caused by a fire engine running over him; a boy, aged 5 years, died on 21st May in the Westminster Hospital from fractured skull, "run over accidentally by the wheel of a waggon;" a male person, aged 33 years, died on 23d May, at the Battersea Union Poor House, of injuries caused by being thrown out of a cart accidentally; a boy, aged 3 years, died at the Royal Free Hospital, on 25th May, of injuries from being run over by an omnibus.

In the Public Institutions of the Metropolis 230 deaths were registered; of these 136 occurred in Workhouses, 1 in Military and Naval Asylums, 66 in General Hospitals, 16 in Hospitals for special diseases, 3 (1 of a woman and 2 of children) in Lying-in Hospitals, 1 in Military and Naval Hospitals, 1 in Hospitals and Asylums for Foreigners, and 6 in Lunatic Asylums.

Returns furnished to the Registrar General by the London Water Companies show that the average daily supply of water for all purposes to the London population during the month of April was 101,500,943 gallons, of which it is estimated the supply for domestic purposes amounted to about 83,417,838 gallons, or 24·6 gallons per day per head of population.

Professor Frankland in his report on the quality of the London water supply in the month of May, states that the water delivered by the Companies drawing from the Thames has now attained its summer degree of purity, and scarcely contains more than one third of the amount of organic matter which was present in it during January. The water supplied by the East London Company contained some brown suspended particles amongst which living organisms were observed. The rest of the Companies' waters were perfectly clear and transparent. The total amount of solid impurity in the Metropolitan waters exhibits a decrease of 3 in 100,000 parts by comparison with the results of the analysis for May 1869. Dr. Frankland finds that by filtering the domestic supply of his own house (West Middlesex Company's water) through animal charcoal the organic matter is reduced to about one fourth by the process, the water so filtered containing less organic matter than the justly celebrated water supplied to Manchester from the Derbyshire Hills.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 30·091 in.; the highest was 30·28 in. on Wednesday, and the lowest was 29·82 in. on Sunday. The mean temperature of the *air* was 56°·6, or 1°·7 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 82°·1 on Sunday; the lowest night temperature was 37°·9 on Thursday; the entire range of temperature in the week was, therefore, 44°·2. The highest temperature in the sun was 142°·3 on Sunday. There was an excess of temperature amounting to 10°·6 on Sunday, and of 4°·5 on Tuesday; on Monday, Friday, and Saturday there was a deficiency ranging from 0°·8 to 2°·7. The difference between the mean *dew-point* temperature and *air* temperature was 10°·5. The mean degree of *humidity* of the air was 69, complete saturation being represented by 100. No rain fell during the week. The average rainfall for the month of May is 2·2 in., while the fall during the present month has only amounted to 0·43 in. The general direction of the *wind* was variable; and the horizontal movement of the air amounted to 7·6 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns, ranged from 51°·0 in Newcastle-on-Tyne to 56°·0 in Portsmouth; the lowest recorded night temperature was 33°·0 in Hull, and the highest day temperature in the shade was 78°·6 in Portsmouth. No rain fell in either of these towns during the week.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 13°·7; the highest day temperature in the shade was 27°·8; the lowest night temperature was 3°·3; the highest temperature in the sun was 61°·3. The mean temperature of the week on an average of 50 years was 12°·7, or 1°·0 below the temperature of last week. The wind blew at the rate of 12 kilometers an hour.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 155,042 cubic metres, and at Barking 150,715 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equivalent in volume to about 35 cubic feet or to 220 imperial gallons.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of APRIL 1870: thus, according to their account, 101,500,943 gallons or 461,165 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 96·5 decalitres, rather less than a *ton* by weight, to each house, and 13·6 decalitres (= 29·9 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of April 1870, it may be estimated that about 83,417,838 gallons were probably used for domestic purposes, or about 24·6 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	MARCH 1870.	APRIL 1870.	MARCH 1870.	APRIL 1870.
TOTAL SUPPLY	477,230	478,049	96,741,741	101,500,943
From Thames	220,085	220,458	50,147,741	53,057,448
From Lea and from other Sources	257,145	257,591	46,594,000	48,443,495
THAMES.				
Chelsea	27,435	27,486	7,594,600	8,284,300
West Middlesex	40,490	40,535	8,125,850	8,720,469
Southwark and Vauxhall	76,931	76,984	15,332,580	15,333,640
Grand Junction	30,929	30,929	9,610,811	10,705,339
Lambeth	44,300	44,524	9,483,900	10,013,700
LEA AND OTHER SOURCES.				
New River	117,498	117,605	20,823,000	22,205,000
East London	100,660	100,660	18,971,000	19,001,000
Kent	38,987	39,326	6,800,000	7,237,495

Note.—The Return for April as compared with that for March shows an increase of 819 houses, and an increase of 4,759,202 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATERS FOR MAY.

*Royal College of Chemistry,
28th May, 1870.*

SIR,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of May. For the purpose of comparison I append also the results yielded by the water supplied to Manchester, and by Thames water taken at London Bridge at low-water on the 8th of December last, and at Battersea Bridge at low and high-water on the 1st of March. By permission of the Mayor and Corporation of Birmingham I have also included in the table the results of the analysis of the water supplied to Birmingham. For some time past monthly analyses have been made for the Mayor and Corporation by Alfred Hill, Esq., M.D., F.C.S., the Birmingham borough analyst, and in future these results will, with your consent, be included in my monthly report.

The waters delivered by the companies drawing from the Thames has now attained its summer degree of purity, and scarcely contains more than one third of the amount of organic matter which was present in it in January. I have filtered the domestic supply of my house (the West Middlesex Company's water) through animal charcoal, and a comparison of the analytical results yielded by the filtered and unfiltered water, and given in the annexed table, shows that the organic matter is reduced to about one fourth by the action of the animal charcoal;

indeed, the water so filtered actually contained less organic matter than the justly celebrated water supply of Manchester brought from the Derbyshire hills. Owing to long storage in reservoirs the East London Company's water has lost much of the evidence of previous sewage or animal contamination which attaches to it when it is taken from the Lea.

The water supplied by the East London Company contained some brown suspended particles, amongst which living organisms were observed. The rest of the Metropolitan waters were perfectly clear and transparent. Dr. Alfred Hill reports that the water supplied to Birmingham was pretty clear, but contained many large suspended particles.

The Registrar General, &c., &c.

I have, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 17th May, Cab Rank, Horse Guards }	13·2	23·96	·115	·020	·000	·186	·206	1540	1·73	19·36
West Middlesex -	{ 15th May, 14, Lancaster Gate, }	—	24·60	·129	·023	·000	·188	·211	1560	1·60	19·36
	{ Filtered through "animal charcoal. }	—	19·40	·029	·007	·013	·194	·212	1730	1·60	15·24
Southwark and Vauxhall - -	{ 17th May, Cab Rank, St. George's Church, Borough }	14·7	23·40	·117	·014	·000	·183	·197	1510	1·62	19·10
Grand Junction -	{ 17th May, Cab Rank, Woodstock-st. }	12·8	24·70	·135	·020	·000	·184	·204	1520	1·62	19·36
Lambeth - - -	{ 17th May, Cab Rank, Lambeth-road }	13·6	24·50	·137	·018	·000	·185	·203	1530	1·60	19·36
OTHER SOURCES.											
New River - -	{ 17th May, Cab Rank, Tottenham- court-road }	12·8	22·74	·063	·017	·000	·189	·206	1570	1·52	19·62
East London - -	{ 16th May, Slater's Lamp Black Works, Old Ford-road }	13·4	23·54	·135	·027	·000	·097	·124	650	1·70	18·84
Kent - - -	{ 16th May, Deptfd. Bdge. Police Stat. }	13·3	39·76	·069	·018	·000	·394	·412	3620	2·85	28·32
Thames water, fil- tered - - -	{ 8th Dec. 1869, London Bridge mid-stream } at low water	—	34·3	·558	·035	·103	·351	·521	4040	2·60	25·25
	{ 1st Mar. 1870, Battersea Bdge. mid-stream } at low water	—	30·64	·451	·060	·024	·493	·573	4810	1·75	25·85
		—	32·20	·476	·048	·075	·364	·469	3940	2·05	25·02
Birmingham - -	{ 10th May 1870, Birmingham Water Supply }	—	22·02	·214	·033	·004	·289	·325	2603	1·41	14·07
Manchester - -	{ 29th January 1870 Manchester Water Supply }	—	5·74	·070	·007	·001	·000	·008	0	·80	2·48
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus : the Chelsea Company's water collected on the 17th of May at the Horse Guard's cab-rank had a temperature of 13·2°C. ; 100,000 lbs. of it contained 23·96 lbs. of solid impurity ; the organic matter, constituting a portion of this impurity, contained ·115 lb. of carbon and ·020 lb. of nitrogen. This solid impurity also contained ·186 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·206 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 1540 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage or animal contamination had been, so far as analysis can show, converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·73 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 19·36 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTY-FIRST Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1680	1826	1919	1888	1966	1876	1985	1996	2096	1924	1915·6	2219
Males . . .	842	892	951	961	1030	950	1022	1016	1067	961	969·2	1134
Females . .	838	934	968	927	936	926	963	980	1029	963	946·4	1085
TOTAL Deaths	1087	1237	1209	1259	1234	1249	1528	1118	1252	1276	1244·9	1239
Males . . .	575	626	633	645	642	660	805	594	654	658	649·2	653
Females . .	512	611	576	614	592	589	723	524	598	618	595·7	586

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 by raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Mar. 5.	Mar. 12.	Mar. 19.	Mar. 26.	Apr. 2.	Apr. 9.	Apr. 16.	Apr. 23.	Apr. 30.	May 7.	May 14.	May 21.	May 28.
TOTAL Deaths - - -	1673	1499	1532	1478	1625	1631	1475	1487	1394	1314	1426	1313	1239
Deaths under 5 years of age -	640	547	613	577	665	626	591	611	538	515	589	544	515
Deaths 5-20 - - -	116	93	101	104	120	111	86	110	109	95	112	119	95
Deaths 20-40 - - -	218	221	218	217	214	213	196	208	220	199	215	195	193
Deaths 40-60 - - -	286	280	259	241	231	292	261	252	238	242	230	199	206
Deaths 60-80 - - -	341	304	272	271	269	311	280	254	234	219	238	208	196
Deaths at 80 years & upwards	72	54	69	68	76	78	61	52	55	44	42	48	34
Deaths from Smallpox - -	8	6	3	5	8	8	2	10	3	9	6	19	11
„ Measles - - -	21	17	20	19	30	34	28	32	32	49	42	36	31
„ Scarlet Fever - - -	78	69	81	56	78	71	70	77	68	74	76	81	90
„ Diphtheria - - -	8	6	4	5	2	3	9	3	6	1	3	5	3
„ Whooping-cough - - -	58	49	65	53	68	61	55	51	61	33	43	35	28
„ Typhus fever - - -	6	4	8	10	6	6	10	13	8	7	7	8	8
„ Enteric (or Typhoid) fever - -	14	19	8	16	11	18	16	18	15	11	15	14	13
„ Simple Cont ^d fever - -	15	10	13	10	12	14	8	10	11	12	11	12	11
„ Diarrhoea - - -	16	14	11	9	13	16	18	17	13	14	14	17	13
„ Phthisis - - -	171	209	193	184	202	198	203	173	193	188	200	165	179
„ Bronchitis - - -	305	232	212	221	231	259	196	176	133	123	136	116	98
„ Pneumonia - - -	89	93	86	93	107	107	66	91	86	67	59	65	57
„ Heart Disease - - -	76	54	74	65	76	69	65	78	64	51	70	59	52
Mean Temperature of the Air	45·8	38·4	41·0	38·1	37·2	45·5	50·1	55·0	47·7	45·6	49·3	59·8	56·6
Mean Temperature of the Water of the Thames	40·2	39·6	42·3	43·4	39·4	43·4	45·3	—	—	—	—	—	—
Humidity of the Air - - -	85	81	82	83	80	71	71	61	76	76	83	69	69
Fall in inches - - -	1·22	0·02	0·44	0·37	0·00	0·07	0·07	0·00	0·13	0·02	0·37	0·04	0·00

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Birmingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it being being represented to the Registrar General by the municipal authorities that the rate of increase in those places since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; J. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., S. Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Cotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 28th day of May 1870, in the following large Towns.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 28th May.	DEATHS registered during the Week ending 28th May.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADS.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Cen- ti- mo.
Total of 20 Towns in the UNITED KINGDOM	213,281	7,216,325	33·8	5002	2996	82·1	33·0	54·2	12·33	0·00	0·00
LONDON - - -	77,997	3,214,707	41·2	2219	1239	82·1	37·9	56·6	13·66	0·00	0·00
PORTSMOUTH - -	9,513	122,084	12·8	78	50	78·6	41·6	56·0	13·33	0·00	0·00
NORWICH - - -	7,472	81,087	10·9	56	20	76·5	40·0	55·1	12·83	0·00	0·00
BRISTOL - - -	4,688	171,882	36·6	121	89	70·8	40·0	53·3	11·84	0·00	0·00
WOLVERHAMPTON -	3,387	72,990	21·5	53	32	73·8	43·2	54·7	12·61	0·00	0·00
BIRMINGHAM - -	7,831	369,604	47·2	238	141	70·0	43·0	54·9	12·72	0·00	0·00
LEICESTER - - -	3,200	97,427	30·4	69	46	—	—	—	—	—	—
NOTTINGHAM - -	1,996	88,888	44·5	41	20	77·6	38·5	55·2	12·89	0·00	0·00
LIVERPOOL - - -	5,108	517,567	101·3	387	224	70·7	44·5	54·2	12·33	0·00	0·00
MANCHESTER - -	4,486	374,993	83·6	252	176	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	85	49	71·6	37·9	53·1	11·73	0·00	0·00
BRADFORD - - -	6,590	143,197	21·7	111	70	75·7	44·0	55·4	13·00	0·00	0·00
LEEDS - - -	21,572	259,527	12·0	204	128	77·0	42·0	55·6	13·11	0·00	0·00
SHEFFIELD - - -	22,830	247,378	10·8	173	109	72·5	41·0	53·8	12·00	0·00	0·00
HULL - - -	3,562	130,869	36·7	80	46	69·0	33·0	51·6	10·89	0·00	0·00
SUNDERLAND - -	3,306	100,979	30·5	46	34	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	84	52	64·0	44·0	51·0	10·56	0·00	0·00
EDINBURGH - - -	4,427	178,970	40·4	137	89	—	—	—	—	—	—
GLASGOW - - -	5,063	468,189	92·5	374	241	72·2	40·0	52·8	11·56	0·05	0·00
DUBLIN - - -	9,745	321,540	33·0	194	141	71·4	36·0	54·4	12·44	0·00	0·00
PARIS - - -	7,802	1,889,842	242	—	1254	—	—	—	—	—	—
VIENNA - - -	3,728*	622,087	167	Week ending 21 May 1870.	Week ending 21 May 1870.	—	—	Week ending 21st May 1870.			
BERLIN - - -	6,253	800,000	128	Week ending 26 May 1870.	Week ending 26 May 1870.	—	—	67·1	19·50	—	—
				663	431	—	—	50·7	10·38	—	—
								Week ending 26th May 1870.			

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH Towns, and in DUBLIN, during the Week ending Saturday the 28th day of May 1870.

[BOROUGHES, &c.] (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include										
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.
LONDON - - -	20	1239	268	230	11	31	90	3	28	32	13	60	85
PORTSMOUTH - -	21	50	9	11	—	1	2	—	—	2	—	1	3
NORWICH - - -	13	20	4	5	—	1	—	—	—	2	—	—	1
BRISTOL - - -	27	89	14	18	—	3	13	1	3	1	1	4	4
WOLVERHAMPTON -	23	32	4	5	—	—	4	1	1	1	—	3	3
BIRMINGHAM - -	20	141	41	30	—	1	4	1	5	4	5	10	14
LEICESTER - - -	25	46	12	9	—	1	3	—	—	—	2	—	3
NOTTINGHAM - -	12	20	2	3	—	—	—	—	—	1	1	—	—
LIVERPOOL - - -	23	224	59	50	—	1	14	—	8	7	4	12	16
MANCHESTER - -	24	176	38	29	—	1	6	3	7	13	6	6	11
SALFORD - - -	21	40	12	11	—	—	1	2	—	1	—	—	—
BRADFORD - - -	26	70	10	13	—	5	3	—	—	3	—	—	4
LEEDS - - -	26	128	31	15	1	1	5	1	6	2	5	5	8
SHEFFIELD - - -	23	109	24	20	1	1	14	—	2	2	3	3	6
HULL - - -	18	46	11	12	—	—	3	—	—	1	2	1	1
SUNDERLAND - -	18	34	11	9	—	—	—	—	2	—	1	2	2
NEWCASTLE-ON-TYNE	20	52	18	5	—	2	—	—	2	1	3	—	—
DUBLIN - - -	23	141	22	39	—	1	6	3	1	6	1	9	10

TABLE 5.—DEATHS in LONDON Registered in the TWENTY-FIRST Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Twenty-first Week in the 10 years 1860-69.	In the Week ending Saturday, May 28, 1870.							CAUSES OF DEATH.		Averages of the Twenty-first Week in the 10 years 1860-69.	In the Week ending Saturday, May 28, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.				ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.
Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	Mean Tem.	0-5.	5-20.		20 and under 40.	40 and under 60.	60 and under 80.							
Mean Temperature	54.3	56.6							Mean Temperature	54.3	56.6								
ALL CAUSES		1244.9	1239	515	95	193	206	196	34	9. Stricture of Intestines		1.1	-	-	-	-	-		
SPECIFIED CAUSES		1234.6	1234	512	95	192	206	195	34	10. Fistula		4.7	7	1	-	1	2		
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		-	-	-	-	-	-		
ORDER 1.										12. Pancreas Disease, &c.		-	-	-	-	-	-		
Small-pox		20.3	11	9	-	2	-	-	-	13. Hepatitis		3.5	3	-	-	1	2		
Measles		41.0	31	31	-	-	-	-	-	14. Jaundice		4.3	5	2	-	-	1		
Scarlet Fever (Scarlatina)		39.5	90	53	31	1	-	-	-	15. Liver Disease, &c.		15.1	19	1	2	6	4		
Diphtheria		7.6	3	3	-	-	-	-	-	16. Spleen Disease, &c.		.4	1	1	-	-	-		
Quinsy		1.6	-	-	-	-	-	-	-	ORDER 5.									
Croup		11.3	7	7	-	-	-	-	-	1. Nephritis		1.1	1	1	-	-	-		
Whooping-cough		61.6	28	28	-	-	-	-	-	2. Ischuria		8.2	6	-	-	1	2		
Typhus		45.0	13	4	3	2	4	-	-	3. Bright's Disease (Nephria)		2.0	1	-	-	-	1		
Enteric or Typhoid Fever		45.0	8	4	3	2	4	-	-	4. Diabetes		.7	-	-	-	-	-		
Simple continued Fever		5.5	10	5	1	2	1	2	2	5. Calculus (Stone)		.1	-	-	-	-	-		
Erysipelas		4.4	5	-	1	3	1	-	-	6. Cystitis		7.8	6	-	-	2	3		
Puerperal Fever (Metria)		.3	1	-	-	-	-	1	-	7. Kidney Disease, &c.		-	-	-	-	-	-		
Carbuncle		.7	-	-	-	-	-	-	-	ORDER 6.									
Influenza		15.9	13	10	-	2	-	1	-	1. Ovarian Dropsy		.3	-	-	-	-	-		
Diarrhoea		.6	-	-	-	-	-	-	-	2. Uterus Disease, &c.		4.1	6	-	-	2	4		
Simple Cholera		.2	1	-	-	-	-	1	-	ORDER 7.									
Ague		1.2	-	-	-	-	-	-	-	1. Synovitis (Arthritis)		3.9	1	3	-	1	-		
Remittent Fever		.6	9	-	-	5	-	4	-	2. Joint Disease, &c.		-	-	-	-	-	-		
Rheumatism		.1	-	-	-	-	-	-	-	ORDER 8.									
Other Zymotic Diseases		7.1	5	3	1	1	-	-	-	1. Phlegmon		1.3	-	-	-	-	-		
ORDER 2.										2. Ulcer		1.0	1	-	-	1	-		
Syphilis		1.0	-	-	-	-	-	-	-	3. Skin Disease, &c.		.5	4	2	-	-	-		
Stricture of Urethra		-	-	-	-	-	-	-	-	IV. DEVELOPMENTAL DISEASES.									
Hydrophobia		-	-	-	-	-	-	-	-	ORDER 1.									
Glanders		-	-	-	-	-	-	-	-	1. Premature Birth		20.5	23	23	-	-	-		
ORDER 3.										2. Cyanosis		1.9	3	3	-	-	-		
Privation		.5	1	-	-	-	-	1	-	3. Spina Bifida		.4	1	1	-	-	-		
Want of Breast-milk		7.5	3	3	-	-	-	-	-	4. Other Malformations		1.3	-	-	-	-	-		
Purpura and Scurvy		1.7	1	-	-	-	-	1	-	5. Teething		17.7	23	23	-	-	-		
Alco- | a Del. Tremens		2.5	2	-	-	-	2	-	-	ORDER 2.									
holism | b Intemperance		1.6	1	-	-	-	1	-	-	1. Paramenia		.2	1	-	-	1	-		
ORDER 4.										2. Childbirth (see Puerperal Fever)		5.4	9	-	-	8	1		
Thrush		1.8	1	1	-	-	-	-	-	ORDER 3.									
Worms, &c.		.1	-	-	-	-	-	-	-	1. Old Age		46.5	26	-	-	-	11		
CONSTITUTIONAL DIS.										ORDER 4.									
ORDER 1.										1. Atrophy and Debility		54.5	60	50	1	1	3		
Gout		2.2	1	-	-	1	-	-	-	V. VIOLENT DEATHS, &c.									
Droopy		13.4	13	2	1	2	2	5	1	ORDER 1.									
Cancer		26.2	21	-	2	2	9	8	-	(ACCIDENT OR NEGLIGENCE.)									
Cancerum Oris (Noma)		.7	2	1	-	1	-	-	-	1. Fractures and Contusions		17.2	18	2	4	5	3		
Mortification		3.5	4	-	-	1	-	2	1	2. Wounds		1.1	3	1	1	-	1		
ORDER 2.										3. Burns and Scalds		4.7	8	4	-	1	1		
Scrofula		8.6	6	3	1	-	1	1	-	4. Poison		.7	1	1	-	-	-		
Tuberc Mesenterica		16.8	16	16	-	-	-	-	-	5. Drowning		7.6	6	1	3	1	1		
Phthisis		175.6	179	13	14	81	53	12	1	6. Suffocation		6.1	3	3	-	-	-		
Hydrocephalus		35.2	34	29	5	-	-	-	-	7. Otherwise		1.9	6	2	1	1	2		
IL. LOCAL DISEASES.										ORDER 3.									
ORDER 1.										(HOMICIDE.)									
Cephalitis		17.0	14	9	2	1	1	1	-	1. Murder and Manslaughter		2.8	2	2	-	-	-		
Apoplexy		32.3	41	9	2	7	4	13	1	ORDER 4.									
Paralysis		23.4	32	-	-	1	7	23	1	(SUICIDE.)									
Insanity		2.2	2	-	-	-	1	1	-	1. Wounds { Gunshot		1.2	2	-	-	-	1		
Chorea		.3	-	-	-	-	-	-	-	Cut, Stab		1.0	5	-	-	3	2		
Epilepsy		7.5	3	-	2	1	-	-	-	2. Poison		1.5	2	-	-	2	-		
Convulsions		43.7	54	54	-	-	-	-	-	3. Drowning		1.7	2	-	-	-	-		
Brain Disease, &c.		16.0	20	3	2	1	6	8	-	4. Hanging		.7	1	-	-	1	-		
ORDER 2.										5. Otherwise		-	-	-	-	-	-		
Pericarditis		1.7	2	-	-	1	1	-	-	ORDER 5.									
Aneurism		2.3	3	-	-	1	1	1	-	(EXECUTION.)									
Heart Disease, &c.		50.9	52	1	2	13	21	13	2	1. Hanging		-	-	-	-	-	-		
ORDER 3.										Violent Deaths (not classed)		.1	1	1	-	-	-		
Laryngitis		7.6	3	3	-	-	-	-	-	Sudden Deaths (Cause un- ascertained)		2.0	1	1	-	-	-		
Bronchitis		94.1	98	34	4	5	14	35	6	Causes not specified or ill- defined		8.8	4	2	-	1	-		
Pleurisy		2.3	3	-	-	1	1	1	-										
Pneumonia		61.4	57	23	3	8	10	8	-										
Asthma		7.0	3	-	-	1	2	-	-										
Lung Disease, &c.		13.1	18	9	-	1	5	2	1										
ORDER 4.																			
Gastritis		2.8	1	-	-	-	-	1	-										
Enteritis		6.0	6	2	1	1	1	1	-										
Peritonitis		5.1	3	-	-	1	1	-	-										
Ascites		2.9	5	-	2	1	-	2	-										
Ulceration of Intestines		1.7	5	-	1	3	-	1	-										
Hernia		2.3	3	1	-	-	2	-	-										
Ileus		2.8	2	1	-	-	1	-	-										
Intussusception		.6	-	-	-	-	-	-	-										

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															
REGISTRARS' SUB-DISTRICTS.					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.*		
LONDON		2,803,989	2219	1239	268	230	11	31	90	3	28	8	13	11	13	60	85	230		
WEST DISTRICTS.																				
St. Mary Paddington WH		39015	40	22	6	4	-	-	1	-	-	-	-	-	-	2	2	4		
St. John Paddington H		36769	12	6	2	1	-	-	2	-	-	-	-	-	-	-	-	-		
Kensington Town W		51910	51	30	2	8	-	3	2	-	-	-	1	1	-	2	5	4		
Brompton H		18198	10	8	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. Peter Hammersmith		5415	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H		19104	24	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-		
Fulham W		15539	19	8	4	1	-	1	-	-	-	-	-	-	-	1	2	-		
Chelsea South H		21654	11	15	3	2	-	-	6	-	-	-	-	-	-	-	1	1		
Chelsea North-west HW		19899	16	18	3	4	-	-	2	-	2	-	1	-	-	-	-	-		
Chelsea North-east		21886	10	7	4	-	-	1	2	-	-	-	2	-	-	-	-	8		
Hanover Square		19773	9	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
May Fair W		12885	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Belgrave H		55113	32	27	1	8	-	-	4	-	-	1	-	1	-	1	2	6		
St. John Westminster		37483	24	14	3	-	1	-	2	-	1	-	-	-	-	-	-	-		
St. Margaret Westminster WH		36780	20	13	5	1	-	-	1	-	1	-	-	-	-	2	3	6		
St. James's Square		10753	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Golden Square W		13966	4	5	-	1	-	-	-	-	-	-	-	-	-	-	-	2		
Berwick-street		10607	7	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. Anne Soho		17426	17	14	2	2	-	-	4	-	-	-	-	-	-	-	-	-		
NORTH DISTRICTS.																				
All Souls Marylebone H		29952	17	15	1	2	-	-	1	-	-	-	-	-	1	8	4	7		
Cavendish Square		15490	6	4	-	1	-	-	1	-	-	-	-	-	-	-	-	-		
Rectory Marylebone W		26692	17	20	3	7	-	5	-	-	-	-	-	-	-	-	1	2		
St. Mary Marylebone H		22493	21	8	1	3	-	1	-	-	-	-	-	-	-	1	1	1		
Christchurch Marylebone		34913	23	11	3	2	-	-	-	-	2	-	-	-	-	-	2	-		
St. John Marylebone		32540	13	9	4	2	-	-	-	-	-	-	-	-	-	1	-	-		
Hampstead WH		19106	17	6	1	1	-	-	2	-	-	-	-	-	-	-	-	-		
Regent's Park Pancras		34927	23	14	2	4	-	-	1	-	2	-	1	-	-	-	-	-		
Tottenham-court WH		29371	26	17	3	4	-	-	1	-	-	-	-	-	2	1	1	3		
Gray's Inn Lane H		27808	18	18	4	2	-	-	-	-	2	-	-	-	1	3	3	4		
Somers Town		39069	23	14	4	4	-	-	3	-	-	-	-	-	-	1	2	-		
Camden Town W		23263	12	10	-	5	-	-	-	-	-	-	-	-	-	2	4	7		
Kentish Town		44317	56	16	3	3	-	-	-	-	-	-	-	1	1	1	-	-		
Islington West* WHH		75442	86	39	8	6	5	4	8	-	3	3	-	1	1	-	1	11		
Islington East WH		79899	76	43	11	7	-	2	4	-	3	1	-	1	1	-	-	2		
Stoke Newington		6678	6	4	-	2	-	-	-	-	-	-	-	-	-	1	1	1		
Stamford Hill		5483	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
West Hackney		24265	23	9	2	-	-	-	1	-	-	-	-	-	-	1	1	-		
Hackney WH		31481	33	17	3	8	-	-	1	-	-	-	-	-	-	1	3	6		
South Hackney L		15468	25	9	2	2	-	-	-	-	-	-	-	-	-	1	-	-		
CENTRAL DISTRICTS.																				
St. George Bloomsbury		17392	9	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Giles South WH		19433	17	15	4	2	-	-	-	-	-	-	-	-	-	-	-	10		
St. Giles North		17201	10	3	1	1	-	-	1	-	-	-	-	-	-	-	1	-		
Long Acre		11618	11	6	3	1	-	-	-	-	-	-	-	-	-	-	-	-		
Charing Cross WH		11071	4	9	1	3	-	-	-	-	-	-	-	-	-	-	-	-		
St. Mary-le-Strand		10346	2	3	-	-	-	-	-	-	-	-	-	-	-	-	1	1		
St. Clement Danes H		15207	8	7	-	1	-	-	-	-	-	-	1	-	-	-	-	3		
St. George-the-Martyr H		19903	14	12	3	2	-	-	1	-	-	-	-	-	-	-	1	1		
St. Andrew East Holborn W		12947	10	11	3	1	-	2	-	-	1	-	-	-	-	-	1	5		
Saffron Hill		12012	6	6	1	1	-	1	1	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell W		19152	14	7	-	1	-	1	1	-	-	-	-	-	-	-	-	-		
Amwell Clerkenwell		17250	6	4	-	1	-	-	-	-	-	-	-	-	-	-	1	-		
Pentonville		13079	6	5	1	1	-	-	-	-	-	-	-	-	-	-	2	-		
Goswell-street		16200	10	3	1	1	-	-	-	-	-	-	-	-	1	-	-	-		
Old-street		11504	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
City-road HL		17860	25	10	4	3	-	-	-	-	-	-	-	-	-	1	1	1		
Whitcross-street		14778	17	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury		12931	7	3	3	-	-	-	-	-	-	-	-	1	-	-	-	-		
St. Botolph East London		20990	8	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate		19697	7	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-		
St. Sepulchre WH		11750	2	19	1	1	-	-	1	-	-	-	-	-	-	3	3	14		
St. Bride W		15595	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Castle Baynard		7762	2	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-		
Christchurch		9020	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-		
Queenhithe		8570	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Allhallows Barking		8659	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street		11544	4	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

wh—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 28th May 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
Holywell Shoreditch	-	17313	8	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch	L†	19188	15	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton New Town	W	26316	14	14	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton Old Town	-	25777	24	9	3	-	-	1	-	1	-	-	-	-	-	-	-	-
Haggerstone West	W	23280	15	22	4	5	-	-	-	1	-	1	-	-	-	2	3	6
Haggerstone East	-	17310	22	3	1	-	-	1	-	1	-	-	-	-	-	-	-	-
Hackney-road	-	26298	27	9	2	2	1	1	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green	WHL†	31789	34	19	4	2	-	-	3	-	-	-	-	-	-	-	-	8
Church, Bethnal Green	-	25228	24	15	6	2	1	-	-	-	-	-	1	1	-	1	2	-
Town, Bethnal Green	-	21436	19	7	3	-	-	-	-	-	1	-	-	-	-	-	-	-
Artillery Whitechapel	-	6587	7	2	2	-	-	1	-	-	-	-	-	-	-	-	-	-
Spitalfields	-	15700	7	6	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Mile End New Town	W	15892	10	9	1	4	-	-	-	-	-	-	-	-	2	1	-	8
Whitechapel North	-	12122	7	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church	H	8082	11	14	2	1	-	-	-	-	-	-	-	-	-	2	-	9
Goodman's Fields	-	11166	7	6	4	-	-	-	-	-	1	-	-	-	-	-	-	-
Aldgate	-	9971	5	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary St. George East	-	18181	16	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul St. George East	-	21015	19	9	3	1	-	-	-	-	-	-	-	-	-	-	-	-
St. John St. George East	W	9695	5	5	2	2	1	-	-	-	1	-	-	-	-	-	-	3
Shadwell	W	12537	4	3	-	-	-	1	-	-	-	-	-	-	-	1	1	-
Ratcliff	WH	16874	15	6	-	-	1	-	-	-	-	-	-	-	-	1	1	-
Limehouse	W	27161	22	5	2	-	-	-	-	-	-	-	-	-	1	1	1	-
Mile End Old Town West	-	33747	30	13	8	1	-	-	-	1	-	-	-	-	-	-	-	-
Mile End Old Town East	W	39317	39	9	3	1	-	-	-	-	-	-	-	-	-	-	-	1
Bow	W	35667	59	47	7	13	-	1	4	-	-	-	-	-	-	1	2	16
Poplar	W	43329	33	14	2	1	1	1	1	-	-	1	-	-	-	-	-	4
SOUTH DISTRICTS.																		
Christchurch Southwark	W	17069	17	5	3	2	-	-	-	-	-	-	-	-	-	-	-	1
St. Saviour Southwark	H	19101	12	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kent-road	-	19652	17	5	8	2	-	-	-	-	-	-	-	-	1	1	-	-
Borough-road	W	16668	14	7	8	1	-	-	-	-	1	-	-	-	-	-	-	2
London-road	L	19109	8	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Trinity Newington	-	22675	14	5	1	-	-	-	-	-	1	-	-	1	-	-	-	2
St. Peter Walworth	W	44463	40	20	5	3	-	-	-	-	-	-	-	-	-	-	-	8
St. Mary Newington	H	15082	13	8	2	2	-	-	1	-	-	-	-	-	1	-	-	2
St. Olave Southwark	H	7663	1	9	-	2	-	-	-	-	-	-	-	-	-	2	2	6
St. John Horsleydown	W	11893	6	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Leather Market	-	16696	14	8	2	2	-	-	-	-	-	-	-	-	1	1	-	-
St. Mary Magdalen	W	16505	9	9	2	1	-	-	-	-	2	-	1	-	-	1	1	1
St. James Bermondsey	-	25154	39	11	4	1	-	-	1	-	1	-	-	-	-	1	-	-
Rotherhithe	W	24502	22	10	4	-	-	-	-	-	-	-	-	-	-	2	4	-
Waterloo-road 1st	-	16260	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo-road 2nd	H	18640	20	9	1	1	-	-	-	-	-	-	-	-	-	1	2	-
Lambeth Church 1st	-	19639	19	7	2	1	-	-	-	-	1	-	-	-	1	-	-	-
Lambeth Church 2nd	W	29542	27	16	6	3	-	-	-	-	-	-	-	-	-	-	-	-
Kennington 1st	-	30785	23	12	1	1	-	-	-	2	-	-	-	-	-	-	7	-
Kennington 2nd	-	20440	15	9	1	1	-	-	-	1	1	-	-	-	1	-	1	-
Brixton	-	20067	21	11	2	2	-	-	-	1	-	-	1	-	-	-	-	-
Norwood	W	7462	8	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Clapham	-	20894	12	6	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Battersea	W	19690	42	25	7	4	-	-	-	3	-	-	-	-	1	1	1	4
Wandsworth	L	13346	12	4	-	3	-	-	-	-	1	-	-	-	-	1	-	2
Putney	-	6451	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streatham	-	10082	8	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Dulwich	-	1723	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell	W	21297	17	14	-	5	-	-	-	1	-	-	1	-	-	-	-	-
Peckham	W	23135	16	17	3	5	-	-	-	-	-	-	-	-	1	2	5	-
St. George Camberwell	-	20383	19	11	1	1	-	-	-	-	-	-	1	1	-	1	1	-
St. Paul Deptford	-	37834	50	21	6	2	-	-	-	1	-	2	-	1	-	-	1	-
St. Nicholas Deptford	-	8139	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West	H	21686	15	4	2	1	-	-	-	-	-	-	-	-	-	2	-	-
Greenwich East	WH	18896	14	11	2	3	-	-	-	1	-	-	-	-	1	1	1	2
Eltham	-	3009	3	3	-	2	-	-	-	1	-	-	-	-	-	-	-	-
Lee	-	11003	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lewisham Village	W	7372	7	10	2	1	-	-	-	2	-	-	-	-	1	-	-	-
Sydenham	-	10595	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Charlton	H	9276	3	3	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Woolwich Dockyard	H	22919	6	3	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Woolwich Arsenal	H	18776	13	5	1	2	-	-	-	-	-	-	1	-	-	-	-	-
Plumstead, West	-	24502	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumstead, East	-	24502	8	7	1	1	-	-	-	1	-	1	-	1	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district. Holborn Workhouse is in Hoxton New Town sub-district.
 The Strand " " Tottenham-court sub-district. (Mile End Old Town Eastern sub-dist. and
 London City " " Islington East. Bow sub-district.
 Do. do. " " Hackney sub-district. Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7. — METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 28th May, 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.						DIFFERENCE				WIND.				RAIN.	
Phases of Moon.		Mean height of centre of re-rected and re-duced to 32° Fahr. (height).		Dry.		Dew Point.		Highest in the sun, as a self-registering thermometer.		Lowest in the Water of the Thames at self-survey, by thermometers.		Between Dew Point and Temperature		Between mean tem-perature of humidity and mean tem-perature of same day on an average of 30 years.		As deduced from Anemometers.		Collected in a Gauge receiving surface is 5 in. above the ground.	
				Range in day.		Mean daily value.		Mean daily value.		Mean daily value.		Mean daily value.		Mean of 34 Obs.		Oliver's.		Robinson's.	
				Low-est.		High-est.		Low-est.		High-est.		Great-est.		Least.		General Direction.		Amount of Horizontal Movement of Air each day.	
				est.		est.		est.		est.		est.		est.		A. M.		P. M.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
				est.		est.		est.		est.		est.		est.		Great-est.		Least.	
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WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 22. 1870. VOL. XXXI.]

WEEK ENDING SATURDAY, JUNE 4.

[Price 1d.

*General Register Office, Somerset House,
6th June 1870.*

DURING the week ending Saturday the 4th instant, 4984 *births* and 2893 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 21 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 20 per 1000, Portsmouth 17, Norwich 16, Bristol 25, Wolverhampton 20, Birmingham 15, Leicester 14, Nottingham 25, Liverpool 23, Manchester 23, Salford 21, Bradford 22, Leeds 27, Sheffield 21, Hull 20, Sunderland 11, and Newcastle-upon-Tyne 24. The annual death-rate in the Seventeen Towns, which was 27 per 1000 in the first 13 weeks of the year, has fallen to 23 in the last nine weeks. All the towns, with one exception, have participated in this diminished mortality. In Bradford the rate has been greater in the second than in the first period by nearly 4 per 1000, the proportion of deaths by the seven principal zymotic diseases having risen from 13·7 per cent. of the deaths from all causes to 18·3 per cent. Birmingham has had a slightly higher death-rate in the last nine weeks than in the corresponding period of last year, but less than in the same period of 1865–68. The death-rate of Leeds has been higher than in April and May of the two previous years, while Liverpool exhibits a mortality considerably less than in previous years. Bristol has had during the last nine weeks an annual death-rate of 28 per 1000, which, although less than the rate for the previous 13 weeks, is greater than the rates for any April and May since 1865.

In Edinburgh the deaths registered last week were at the annual rate of 27 per 1000 persons living, in Glasgow 26 per 1000, and in Dublin 19.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 32 per 1000 persons living. Small-pox caused 173 deaths, or 45 less than in the week preceding; the fatal cases reported during the 22 weeks of the present year amount to 2331.

In Vienna during the week ending 28th ultimo the deaths recorded gave an annual rate of 38 per 1000.

In the city of Bombay the deaths registered during the weeks ending May 3d and May 10th were 265 and 291 respectively; the corresponding annual rates of mortality were 17 and 19 per 1000.

In LONDON the *births* of 1101 boys and 1049 girls, in all 2150 children, were registered last week. The *deaths* registered in the same time were 1232. During the corresponding weeks of ten previous years the registered *births* averaged 1972 and the *deaths* 1225 per week; after making due allowance for increase of population, the average for the past week is estimated at 2169 *births* and 1348 *deaths*; the registered *births*, therefore, were 19 and the *deaths* 116 below the estimated average.

The deaths under 5 years of age were 482, at the ages 5 to 20 years they were 125, at 20 to 40 years 206, at 40 to 60 years 205, at 60 to 80 years 176, and 38 at 80 years and upwards. Of infants in their first year 253 died, and 214 persons aged 60 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 21, in the Northern group of 20, in the Central group of 23, in the Eastern group of 21, and in the Southern group of 18 per 1000 persons living.

Zymotic diseases caused 271 deaths, including 12 from small-pox, 34 from measles, 91 from scarlet fever, 7 from diphtheria, 8 from croup, 24 from whooping-cough, 3 from typhus, 17 from enteric (or typhoid) fever, 14 from simple continued fever, 5 from erysipelas, and 22 from diarrhœa. Scarlet fever has for the last few weeks exhibited a tendency to increased fatality. Forty-three deaths resulted from violence; of these 36 were accidental, including 14 by fractures, 3 by burns or scalds, 6 by drowning, and 4 (infants) by suffocation.

Three fatal accidents caused by horses or vehicles in the streets were returned last week:—A girl, aged 2 years, died on 29th May at St. Bartholomew's Hospital, of injuries resulting from a cart running over her at City Gardens (St. Sepulchre's); a tailor, aged 70 years, died on 31st May at the London Hospital, of injuries from being run over by a cart; a girl, aged 8 years, died on 31st May at Devonshire Street, Old Kent Road, of tetanus supervening on laceration of arm, she having been trodden on by a horse in the street.

In the Public Institutions of the Metropolis 205 deaths were registered; of these 106 occurred in Workhouses, 4 in Military and Naval Asylums, 70 in General Hospitals, 13 in Hospitals for special diseases, 1 (a child) in Lying-in Hospitals, 7 in Military and Naval Hospitals, 2 in Hospitals and Asylums for Foreigners, and 2 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·847 in.; the highest was 30·23 in. on Saturday, and the lowest was 29·61 in. on Tuesday. The mean temperature of the *air* was 58°·1, or 1°·2 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 78°·7 on Sunday; the lowest night temperature was 45°·5 on Sunday; the entire range of temperature in the week was, therefore, 33°·2. The highest temperature in the sun was 145°·7 on Monday. The difference between the mean *dew-point* temperature and *air* temperature was 7°·4. The mean degree of *humidity* of the air was 77, complete saturation being represented by 100. *Rain* fell during the week (on Tuesday and Wednesday) to the amount of 0·16 in. The general direction of the *wind* was S.W. and W.S.W.; and the horizontal movement of the air amounted to 10 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 52°·0 in Newcastle-on-Tyne, to 58°·2 in Manchester; the lowest recorded night temperature was 35°·5 (?) in Birmingham, and the highest day temperature in the shade was 77°·0 in Nottingham and Manchester. No rain fell at Norwich, Birmingham, or Nottingham; in the other towns amounts varying from 0·06 in. at Wolverhampton to 0·32 in. at Newcastle-on-Tyne were measured.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 14°·5; the highest day temperature in the shade was 25°·9; the lowest night temperature was 7°·5; the highest temperature in the sun was 63°·2. The mean temperature of the week on an average of 50 years was 13°·8, or 0°·7 below the temperature of last week. The wind blew at the rate of 16 kilometers an hour, and the rain-fall was 0·40 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 169,426 cubic metres, and at Barking 161,108 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTY SECOND Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1517	1959	1986	1997	1893	1860	2136	2237	2039	2100	1972·4	2150
Males	766	972	1010	1005	919	969	1111	1176	1018	1080	1002·6	1101
Females	751	987	976	992	974	891	1025	1061	1021	1020	969·8	1049
TOTAL Deaths	1004	1069	1119	1296	1213	1187	1540	1250	1217	1355	1225·0	1232
Males	525	549	591	649	639	641	792	642	676	683	638·7	644
Females	479	520	528	647	574	546	748	608	541	672	586·3	588

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Mar. 12.	Mar. 19.	Mar. 26.	Apr. 2.	Apr. 9.	Apr. 16.	Apr. 23.	Apr. 30.	May 7.	May 14.	May 21.	May 28.	June 4.
TOTAL Deaths	1499	1532	1478	1625	1631	1475	1487	1394	1314	1426	1313	1239	1232
Deaths under 5 years of age	547	613	577	665	626	591	611	538	515	589	544	515	482
Deaths 5—20	93	101	104	120	111	86	110	109	95	112	119	95	125
Deaths 20—40	221	218	217	214	213	196	208	220	199	215	195	193	206
Deaths 40—60	280	259	241	281	292	261	252	238	242	230	199	206	205
Deaths 60—80	304	272	271	269	311	280	254	234	219	238	208	196	176
Deaths at 80 years & upwards	54	69	68	76	78	61	52	55	44	42	48	34	38
Deaths from Small-pox	6	3	5	8	8	2	10	3	9	6	19	11	12
“ „ Measles	17	20	19	30	34	23	32	32	49	42	36	31	34
“ „ Scarlet Fever	69	81	56	78	71	70	77	68	74	76	81	90	91
“ „ Diphtheria	6	4	5	2	3	9	3	6	1	3	5	3	7
“ „ Whooping-cough	49	65	53	68	61	55	51	61	33	43	35	28	24
“ „ Typhus fever	4	8	10	6	6	6	10	13	8	7	7	8	3
“ „ Enteric (or Typhoid) fever	19	8	16	11	18	16	18	15	11	15	14	13	17
“ „ Simple Contag. fever	10	13	10	12	14	8	10	11	12	11	12	11	14
“ „ Diarrhœa	14	11	9	13	16	18	17	13	14	14	17	13	22
“ „ Phthisis	209	193	184	202	198	200	173	193	188	200	165	179	173
“ „ Bronchitis	232	212	221	231	259	196	176	133	123	136	116	98	85
“ „ Pneumonia	98	86	93	107	107	66	91	86	67	59	65	57	57
“ „ Heart Disease	54	74	65	76	69	65	78	64	51	70	59	52	70
Mean Temperature of the Air	38·4	41·0	38·1	37·2	45·5	50·1	55·0	47·7	45·6	49·3	59·8	55·6	58·1
Mean Temperature of the Water of the Thames	39·6	42·3	43·4	39·4	43·4	45·3	—	—	—	—	—	—	—
Humidity of the Air	81	82	83	80	71	71	61	76	76	83	69	69	77
Rain-fall in inches	0·02	0·44	0·37	0·00	0·07	0·07	0·00	0·13	0·02	0·37	0·04	0·00	0·16

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatier, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., Jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 4th day of June 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 4th June.	DEATHS registered during the Week ending 4th June.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)		RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Centi metre.	
Total of 20 TOWNS in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	4984	2893	78·7	35·5(°)	56·6	13·66	0·15	0·38	
LONDON - - -	77,997	3,214,707	41·2	2150	1232	78·7	45·5	58·1	14·50	0·16	0·40	
PORTSMOUTH - -	9,513	122,084	12·8	75	40	74·3	42·6	57·5	14·16	0·12	0·30	
NORWICH - - -	7,472	81,087	10·9	54	25	73·0	45·8	56·2	13·44	0·00	0·00	
BRISTOL - - -	4,688	171,382	36·6	105	81	69·7	45·7	55·2	12·89	0·19	0·48	
WOLVERHAMPTON -	3,387	72,990	21·5	44	28	74·0	44·7	58·0	14·44	0·06	0·15	
BIRMINGHAM - -	7,831	369,604	47·2	234	108	74·0	35·5(°)	57·2	14·00	0·00	0·00	
LEICESTER - - -	3,200	97,427	30·4	81	26	—	—	—	—	—	—	
NOTTINGHAM - -	1,996	88,888	44·5	46	43	77·0	43·3	57·9	14·39	0·00	0·00	
LIVERPOOL - - -	5,108	517,567	101·3	341	226	69·0	48·4	56·5	13·61	0·16	0·40	
MANCHESTER - -	4,486	374,993	83·6	285	168	77·0	43·0	58·2	14·55	0·19	0·48	
SALFORD - - -	5,172	121,580	23·5	89	48	75·4	40·9	56·5	13·61	0·17	0·43	
BRADFORD - - -	6,590	143,197	21·7	123	61	71·3	46·2	55·6	13·11	0·11	0·28	
LEEDS - - -	21,572	259,527	12·0	177	132	74·0	46·0	55·5	13·05	0·10	0·25	
SHEFFIELD - - -	22,830	247,378	10·8	192	97	72·0	46·2	57·2	14·00	0·09	0·22	
HULL - - -	3,562	130,869	36·7	83	51	—	—	—	—	—	—	
SUNDERLAND - -	3,306	100,979	30·5	114	22	—	—	—	—	—	—	
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	94	62	66·0	46·0	52·0	11·11	0·32	0·81	
EDINBURGH - - -	4,427	178,970	40·4	141	94	68·7	47·0	56·3	13·50	0·50	1·27	
GLASGOW - - -	5,063	468,189	92·5	390	231	—	—	—	—	—	—	
DUBLIN - - -	9,745	321,540	33·0	166	118	77·0	41·5	58·0	14·44	0·17	0·43	
PARIS - - -	7,802	1,889,842	242	—	1174	—	—	—	—	—	—	
						Week ending 28th May 1870.						
VIENNA - - -	3,728*	622,087	167	—	453	—	—	62·2	16·75	—	—	
						Week ending 2d June 1870.						
BERLIN - - -	6,253	800,000	128	—	—	—	—	—	—	—	—	

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 4th day of June 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include													
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public		
LONDON - - -	20	1232	253	214	12	34	91	7	24	34	22	43	74	20		
PORTSMOUTH - -	17	40	3	10	—	1	1	1	—	2	—	2	3	—		
NORWICH - - -	16	25	9	4	—	—	2	—	—	1	—	—	—	—		
BRISTOL - - -	25	81	18	14	1	3	13	1	3	—	—	4	5	—		
WOLVERHAMPTON -	20	28	4	5	—	—	3	—	2	2	—	—	—	—		
BIRMINGHAM - -	15	108	26	27	—	1	3	2	4	2	11	7	15	1		
LEICESTER - - -	14	26	11	6	—	—	—	—	—	—	—	—	5	—		
NOTTINGHAM - -	25	43	8	6	—	—	3	—	1	3	—	2	4	—		
LIVERPOOL - - -	23	226	71	32	—	4	19	—	5	8	6	8	10	3		
MANCHESTER - -	23	168	31	34	—	—	3	—	9	6	3	6	12	2		
SALFORD - - -	21	48	12	10	1	1	6	1	4	1	—	—	—	—		
BRADFORD - - -	22	61	19	12	—	1	2	—	1	3	1	1	4	—		
LEEDS - - -	27	132	31	25	—	1	4	—	10	5	4	3	5	1		
SHEFFIELD - - -	21	97	21	9	—	2	18	—	4	3	3	2	6	—		
HULL - - -	20	51	11	8	—	—	3	—	—	—	—	3	3	—		
SUNDERLAND - -	11	22	1	4	—	—	—	—	1	1	—	—	1	—		
NEWCASTLE-ON-TYNE -	24	62	16	11	—	1	1	—	4	3	3	2	5	—		
DUBLIN - - -	19	118	15	27	—	1	6	—	—	9	—	3	2	8		

TABLE 5.—DEATHS in LONDON Registered in the TWENTY-SECOND Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Twenty-second Week in the 10 years 1860-69.	In the Week ending Saturday, June 4, 1870.							CAUSES OF DEATH.		Averages of the Twenty-second Week in the 10 years 1860-69.	In the Week ending Saturday, June 4, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.									ALL AGES.	Under 20.					
				Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.					80 Years and upwards.	Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
Mean Temperature -		55.8	58.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature -		55.8	58.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES -		1225.0	1232	482	125	206	205	176	38	9. Stricture of Intestines		.5	-	-	-	-	-	-	-
SPECIFIED CAUSES		1207.6	1230	481	125	206	204	176	38	10. Fistula		.1	-	-	-	-	-	1	4
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		6.8	6	-	-	1	1	-	-
ORDER 1.										12. Pancreas Disease, &c.		.1	-	-	-	-	-	-	-
Small-pox -		17.0	12	6	5	1	-	-	-	13. Hepatitis -		3.0	4	-	-	-	2	1	1
Measles -		42.7	34	33	1	-	-	-	-	14. Jaundice -		3.9	3	-	1	-	1	1	-
Scarlet Fever (Scarlatina) -		40.9	91	55	30	6	-	-	-	15. Liver Disease, &c.		15.0	21	-	1	2	12	5	1
Diphtheria -		8.3	7	4	3	-	-	-	-	16. Spleen Disease, &c.		.2	-	-	-	-	-	-	-
Quinsy -		.8	-	-	-	-	-	-	-	ORDER 5.									
Croup -		12.8	8	8	-	-	-	-	-	1. Nephritis -		1.0	5	-	1	3	1	-	-
Whooping cough -		59.5	24	22	2	-	-	-	-	2. Ischuria -		.1	-	-	-	-	-	-	-
Typhus -		-	3	-	1	1	1	-	-	3. Bright's Disease (Nephria) -		7.7	8	1	-	1	2	4	-
Enteric or Typhoid Fever -		42.2	17	4	4	3	1	1	-	4. Diabetes -		1.2	2	-	1	-	1	-	-
Simple continued Fever -		-	14	6	1	2	3	3	1	5. Calculus (Stone) -		.9	1	-	1	-	-	3	-
Erysipelas -		6.4	5	2	-	3	-	-	-	6. Cystitis -		1.0	3	-	-	-	-	-	-
Puerperal Fever (Metria) -		2.5	2	-	-	2	-	-	-	7. Kidney Disease, &c.		7.9	9	1	-	4	1	3	-
Carbuncle -		.9	-	-	-	-	-	-	-	ORDER 6.									
Influenza -		.3	-	-	-	-	-	-	-	1. Ovarian Dropsy -		.7	-	-	-	-	-	-	-
Dysentery -		1.9	1	1	-	-	-	-	-	2. Uterus Disease, &c.		3.8	1	-	-	1	-	-	-
Diarrhea -		19.8	22	16	1	3	1	1	-	ORDER 7.									
Simple Cholera -		.5	1	-	-	-	1	-	-	1. Synovitis (Arthritis) -		.3	1	-	-	-	-	-	1
Ague -		2	-	-	-	-	-	-	-	2. Joint Disease, &c.		5.2	4	2	-	2	-	-	-
Remittent Fever -		1.3	-	-	-	-	-	-	-	ORDER 8.									
Rheumatism -		6.7	5	-	1	1	1	2	-	1. Phlegmon -		1.2	4	2	-	1	1	-	-
Other Zymotic Diseases -		.1	1	1	-	-	-	-	-	2. Ulcer -		.8	-	-	-	-	-	-	-
ORDER 2.										3. Skin Disease, &c.		1.5	-	-	-	-	-	-	-
Syphilis -		7.8	11	7	1	2	1	-	-	IV. DEVELOPMENTAL DISEASES.									
Stricture of Urethra -		1.4	1	-	-	-	-	1	-	ORDER 1.									
Hydrophobia -		.1	-	-	-	-	-	-	-	1. Premature Birth -		20.0	15	15	-	-	-	-	-
Glanders -		-	-	-	-	-	-	-	-	2. Cyanosis -		1.7	1	1	-	-	-	-	-
ORDER 3.										3. Spina Bifida -		.8	-	-	-	-	-	-	-
Privation -		.1	-	-	-	-	-	-	-	4. Other Malformations -		2.0	2	2	-	-	-	-	-
Want of Breast-milk -		7.4	4	4	-	-	-	-	-	5. Teething -		17.7	14	14	-	-	-	-	-
Purpura and Scurvy -		1.3	2	1	-	-	1	-	-	ORDER 2.									
Alcohol Del. Tremens -		2.5	-	-	-	-	-	-	-	1. Parameia -		.4	1	-	-	1	-	-	-
Polism Del. Intemperance -		1.2	4	-	-	1	2	1	-	2. Childbirth (see Puer- peral Fever) -		6.0	5	-	-	3	2	-	-
ORDER 4.										ORDER 3.									
Thrush -		2.8	2	2	-	-	-	-	-	1. Old Age -		41.3	40	-	-	-	-	17	23
Worms, &c. -		.1	-	-	-	-	-	-	-	ORDER 4.									
CONSTITUTIONAL DIS.										1. Atrophy and Debility -		54.2	65	57	-	2	1	5	-
ORDER 1.										V. VIOLENT DEATHS, &c.									
Gout -		1.8	-	-	-	-	-	-	-	ORDER 1.									
Dropsy -		10.9	7	1	2	2	1	1	-	(ACCIDENT OR NEGLIGENCE.)									
Cancer -		26.7	31	-	-	4	17	10	-	1. Fractures and Contusions -		14.0	14	1	3	4	2	3	1
Cancerum Oris (Noma) -		.3	-	-	-	-	-	-	-	2. Wounds -		.3	3	-	2	1	-	-	-
Mortification -		3.2	5	-	-	-	2	2	1	3. Burns and Scalds -		4.1	3	2	-	-	1	-	-
ORDER 2.										4. Poison -		1.0	1	1	-	-	-	-	-
Scorfula -		10.3	13	5	5	2	1	-	-	5. Drowning -		8.5	6	2	1	2	-	1	-
Tuberc Mesenterica -		17.5	21	19	1	-	1	-	-	6. Suffocation -		5.9	4	4	-	-	-	-	-
Phthisis -		170.6	173	9	18	86	46	14	-	7. Otherwise -		2.4	5	-	-	4	-	1	-
Hydrocephalus -		31.8	40	31	8	1	-	-	-	ORDER 3.									
I. LOCAL DISEASES.										(HOMICIDE.)									
ORDER 1.										1. Murder and Manslaughter		3.2	1	-	-	-	1	-	-
Cephalitis -		12.0	18	8	5	3	2	-	-	ORDER 4.									
Apoplexy -		33.7	36	5	3	5	13	8	2	(SUICIDE.)									
Paralysis -		20.9	21	-	1	1	5	13	1	1. Wounds { Gunshot -		.3	-	-	-	-	1	1	-
Insanity -		1.6	2	-	-	2	-	-	-	2. Poison -		1.6	2	-	-	-	-	-	-
Chorea -		.2	-	-	-	-	-	-	-	3. Drowning -		1.1	1	-	-	-	1	-	-
Epilepsy -		6.5	4	-	1	1	2	-	-	4. Hanging -		1.8	1	-	-	1	-	-	-
Convulsions -		42.3	36	35	-	1	-	-	-	5. Otherwise -		.4	1	-	-	1	-	-	-
Brain Disease, &c. -		17.8	21	5	2	1	6	5	2	ORDER 5.									
ORDER 2.										(EXECUTION.)									
Pericarditis -		2.1	1	-	-	-	-	1	-	1. Hanging -		-	-	-	-	-	-	-	-
Aneurism -		2.6	5	-	-	2	2	1	-	Violent Deaths (not classed)		.3	-	-	-	-	-	-	-
Heart Disease, &c. -		51.3	70	-	6	13	26	25	-	Sudden Deaths (Cause un- ascertained)		2.1	-	-	-	-	-	-	-
ORDER 3.										Causes not specified or ill- defined -		15.3	2	1	-	-	1	-	-
Laryngitis -		6.6	3	1	2	-	-	-	-										
Bronchitis -		91.4	85	30	1	1	22	23	2										
Pleurisy -		3.0	7	-	1	3	2	1	-										
Pneumonia -		60.2	57	32	4	9	5	6	1										
Asthma -		5.8	4	-	-	-	2	2	-										
Lung Disease, &c. -		10.2	12	5	1	1	3	2	-										
ORDER 4.																			
Gastritis -		1.9	1	1	-	-	-	-	-										
Enteritis -		5.2	9	4	1	2	-	2	-										
Peritonitis -		3.9	5	-	1	3	1	-	-										
Ascites -		3.4	1	-	-	1	-	-	-										
Ulceration of Intestines -		1.6	4	2	-	1	1	-	-										
Hernia -		2.7	2	1	-	-	-	1	-										
Ileus -		3.2	4	3	-	-	-	-	1										
Intussusception -		1.8	2	1	1	-	-	-	-										

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
REGISTRARS' SUB-DISTRICTS.					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
LONDON		2,803,989	2150	1232	253	214	12	34	91	7	24	3	17	14	23	43	74	208	
WEST DISTRICTS		458,125	347	220	51	37	-	8	12	1	6	-	4	1	8	7	11	53	
NORTH DISTRICTS		618,210	461	280	47	54	8	8	27	2	8	1	3	1	5	7	18	60	
CENTRAL DISTRICTS		383,221	191	157	29	23	1	11	8	2	-	1	-	1	3	6	6	32	
EAST DISTRICTS		571,158	456	249	60	43	3	4	13	-	6	1	2	6	3	13	26	42	
SOUTH DISTRICTS		773,175	695	326	66	57	-	8	31	2	4	-	8	5	3	10	13	28	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	46	27	10	1	-	-	2	-	1	-	1	-	-	-	2	3	
St. John Paddington H		36769	10	12	2	5	-	-	-	-	-	-	-	-	-	2	-	1	
Kensington Town W		51910	56	23	7	-	-	1	1	-	1	-	-	-	3	-	-	7	
Brompton H		18198	21	5	1	1	-	1	-	-	-	-	-	-	1	-	-	1	
St. Peter Hammersmith		5415	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	17	6	2	-	-	-	-	-	1	-	-	-	-	-	-	-	
Fulham W		15539	26	8	2	1	-	2	-	-	-	-	-	-	-	-	-	3	
Chelsea South H		21654	17	17	5	5	-	-	3	1	-	-	-	-	-	-	1	4	
Chelsea North-west HW		19899	20	13	2	4	-	1	1	-	-	-	1	-	-	-	2	4	
Chelsea North-east		21886	17	9	3	1	-	-	2	-	-	-	-	-	-	-	-	-	
Hanover Square		19773	11	4	2	1	-	1	-	-	1	-	-	-	-	-	-	-	
May Fair W		12885	8	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	31	33	3	7	-	-	-	-	-	-	-	-	2	3	3	12	
St. John Westminster		37483	19	13	3	1	-	1	-	-	2	-	-	-	1	1	1	11	
St. Margaret Westminster WH		30730	12	22	2	6	-	-	2	-	-	-	-	-	-	-	-	-	
St. James's Square		10753	3	3	2	-	-	-	-	-	-	-	-	-	1	-	-	-	
Golden Square W		13966	6	11	2	1	-	-	-	-	-	-	1	-	1	1	2	6	
Berwick-street		10607	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17426	15	8	1	1	-	-	1	-	-	-	1	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H †		26932	19	18	1	2	-	-	2	-	-	-	-	-	-	1	1	6	
Cavendish Square		15920	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	11	
Rectory Marylebone W		26692	20	15	2	7	-	1	-	-	2	-	-	-	-	-	-	-	
St. Mary Marylebone H		22493	23	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch Marylebone		34913	11	11	4	3	-	-	2	-	1	-	-	-	-	-	-	-	
St. John Marylebone		32540	15	15	2	2	-	1	1	-	-	-	-	1	-	1	3	-	
Hampstead WH		19106	10	11	-	4	-	-	-	1	-	-	-	-	-	-	-	-	
Regent's Park Pancras		34227	20	17	4	4	1	-	1	1	1	-	-	-	-	-	3	-	
Tottenham-court WH		29371	11	15	1	3	-	-	-	-	-	-	-	-	1	2	6	-	
Gray's Inn Lane H		27803	23	5	2	1	-	1	-	-	-	1	-	-	-	-	-	-	
Somers Town		39099	28	15	4	1	-	-	-	-	-	-	-	1	-	-	1	-	
Camden Town W		33266	19	17	3	4	-	1	2	-	-	-	-	-	-	1	3	7	
Kentish Town		44317	39	16	1	5	1	-	3	-	-	-	1	-	-	-	-	-	
Islington West* WHH		75442	57	51	7	7	6	4	7	-	1	1	-	-	2	1	2	14	
Islington East WH		79899	80	36	7	7	-	-	8	-	1	-	-	-	1	-	-	-	
Stoke Newington		6603	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill		5483	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	19	9	4	2	-	-	1	-	-	-	-	-	-	-	-	-	
Hackney WH		31481	32	10	2	2	-	-	-	-	1	-	1	-	-	-	-	6	
South Hackney L		15458	15	8	2	2	-	-	-	-	-	-	-	-	-	2	2	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	13	4	1	-	-	1	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH		19483	11	12	4	1	-	-	1	-	-	-	-	-	-	-	-	6	
St. Giles North		17201	6	3	-	-	-	-	-	1	-	-	-	-	-	1	-	-	
Long Acre		11613	7	5	2	-	1	1	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH		11971	8	5	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand		10946	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		15207	4	7	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
St. George-the-Martyr H		19903	11	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Andrew East Holborn W		12947	5	14	3	-	-	2	-	-	-	-	-	-	-	1	-	-	
Saffron Hill		12012	6	3	1	-	-	1	-	-	-	-	-	-	-	-	-	7	
St. James Clerkenwell W		19152	16	6	1	2	-	-	-	-	1	-	-	-	-	-	-	-	
Amwell Clerkenwell		17250	15	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fentonville		13079	8	8	3	1	-	-	2	-	-	-	-	-	-	-	1	-	
Goswell-street		18200	8	9	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Old-street		11594	10	2	-	-	-	2	1	-	-	-	-	-	-	-	-	-	
City-road HL		17860	21	5	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Whitcross-street		14778	10	8	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Finsbury		12931	5	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
St. Botolph East London		20990	7	9	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate		19637	7	9	5	1	-	2	-	-	-	-	-	1	1	-	-	-	
St. Sepulchre WH		11750	5	20	1	-	-	-	-	1	-	-	-	-	-	-	-	-	
St. Bride W		15395	3	3	1	2	-	-	-	-	-	-	-	-	-	3	2	16	
Castle Baynard		7762	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9029	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenshithe		8570	-	3	1	2	-	-	-	-	-	-	-	-	-	1	1	-	
Allhallows Barking		8659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
WH—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

Population, Total Births and Deaths, and Deaths from some Zymotic and other Causes. 187

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
aturday, 4th June 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																			
Tollywell Shoreditch	-	-	17313	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch	Lt	-	19188	13	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton New Town	W	-	26516	20	14	1	5	-	-	-	-	-	-	-	-	1	3	2	-
Hoxton Old Town	-	-	25777	16	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Laggerstone West	W	-	23260	17	8	1	3	-	1	1	-	-	-	-	-	-	-	-	4
Laggerstone East	-	-	17310	13	11	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Hackney road E	-	-	26398	24	7	3	1	2	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green	WH Lt	-	31789	25	15	6	3	3	-	-	-	-	-	-	-	-	-	-	3
Church, Bethnal Green	-	-	25528	21	7	2	2	2	-	1	-	-	-	-	-	-	-	-	-
Town, Bethnal Green	-	-	21486	22	5	2	1	-	-	-	-	-	-	-	-	-	1	-	-
St. Mary Whitechapel	-	-	6557	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Whitechapel	-	-	13709	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Mile End New Town	W	-	15392	12	13	2	6	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel North	-	-	12122	11	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church	H	-	8062	6	17	3	2	-	-	-	-	-	-	-	-	-	-	-	-
Godman's Fields	-	-	11166	6	6	1	1	-	-	-	-	-	-	-	-	-	4	5	13
Edgate	-	-	9071	6	5	1	-	-	-	-	-	-	-	-	-	1	1	1	-
St. Mary St. George East	-	-	18181	15	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul St. George East	-	-	21015	18	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John St. George East	W	-	9695	9	6	-	4	-	-	-	-	-	-	-	-	-	1	1	-
St. Andrew W	-	-	12337	5	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew WH	-	-	16874	15	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew W	-	-	27161	30	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Mile End Old Town West	-	-	33747	23	15	5	2	-	-	-	-	-	-	-	-	-	-	-	-
Mile End Old Town East	W	-	39317	32	15	3	8	1	-	2	-	-	-	-	-	-	-	-	-
Low W	Lt	-	35667	47	29	5	4	-	-	-	-	-	-	-	-	-	-	-	-
Low W	-	-	43229	30	24	7	3	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DISTRICTS.																			
St. Andrew Southwark	W	-	17069	9	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark	H	-	19101	8	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	19652	17	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W	-	16603	19	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	L	-	19190	9	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	22675	15	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W	-	44463	39	16	3	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	H	-	15082	12	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	7663	-	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W	-	11393	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	16996	11	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	16505	9	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	25154	51	15	5	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W	-	24502	25	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road 1st	-	-	15269	13	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road 2nd	H	-	18640	20	7	2	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road 1st	-	-	19839	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road 2nd	W	-	29542	25	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road 1st	-	-	30785	35	14	1	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road 2nd	-	-	20440	12	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	20067	24	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W	-	7462	15	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	20894	15	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W	-	19600	44	19	5	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	L	-	13346	17	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	6481	4	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	10082	9	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	1723	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W Lt	-	21297	16	12	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W	-	28135	27	25	7	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	20333	23	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	37834	34	15	2	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	8139	9	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	H	-	21696	14	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W H	-	18306	14	13	3	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	3009	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	11003	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	W	-	7372	6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	10595	11	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	9276	3	9	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	H	-	22919	10	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	H	-	18776	17	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	24502	7	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew - road	-	-	24502	10	9	3	2	-	-	-	-	-	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand - - - - -	London City - - - - -
London City - - - - -	Stepney - - - - -
Do. do. - - - - -	

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 4th JUNE 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.						DIFFERENCE				WIND.				RAIN.									
Phases of Moon.		(cor-reading and reduced to 32 deg. Fahr. when held).		Dry.		Dew Point.		Highest in the day, as shown by a self-regis-thermo- meter with bulb in vacuo.		Lowest in the day, as shown by a self-regis-thermo- meter with bulb in vacuo.		In the Water of Greenwich, by self-registering Thermometers.		Between Dew Point and Air Temperature.		Between mean tem- perature of the day and mean tem- perature of the night, on an average, by 100.		Degree of Humidity, complete saturation being 100.		As deduced from Anemometers.		Collected in a Gauge on the surface of the water, at the time of each day.					
				High- est.	Low- est.	Range in day.	Mean daily value.	Mean daily value.				Mean daily value.	Great- est.	Least.	Air Temperature.		Mean of 24 Hrs.		Pressure on square foot.		General Direction.		Amount of Horizontal surface of Air, in each day.		Robinson's.		
																A. M.	P. M.	Great- est.	Least.								
1870.																											
MONTH AND DAY.																											

DATE.		ELECTRICITY.	SKY AND ATMOSPHERE.	NOTES.
MAY.				
SUNDAY	29	No electricity was shown.	A very fine day; light clouds were prevalent.	<p>The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's at 50 ft. 9 in. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times are converted into mean values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See <i>Phil. Trans.</i>, part 1, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1843, December 31.</p> <p>* In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.</p> <p>The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.</p> <p>The reading of the barometer decreased from 29-99 in. at the beginning of the week to 29-61 in. by 9h. A.M. on 31st May; remained nearly stationary at this reading till after 3h. P.M. on the same day; then increased to 30-23 in. by the end of the week.</p>
MONDAY	30	Weak positive and weak negative were shown occasionally.	A fine day; partially cloudy. Part of a solar halo seen at 9h. A.M. At times a little rain fell.	
TUESDAY	31		Generally cloudy. Rain fell in the afternoon.	
WEDNESDAY	1		Cloudy till evening, and heavy showers of rain fell in the afternoon; cloudless at night.	
THURSDAY	2	No electricity was shown.	A fine day; light clouds prevailed.	
FRIDAY	3		Generally overcast till about 5h. P.M.; fine afterwards, and light clouds prevailed.	
SATURDAY	4		Generally overcast till the afternoon, and a little rain fell at times; fine and partially cloudy afterwards.	

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 23. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, JUNE 11. [Price 1d.

*General Register Office, Somerset House,
13th June 1870.*

DURING the week ending Saturday the 11th instant, 4727 *births* and 2890 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 21 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 21 per 1000; Portsmouth 18, Norwich 19, Bristol 21, Wolverhampton 14, Birmingham 16, Leicester 12, Nottingham 16, Liverpool 20, Manchester 23, Salford 22, Bradford 26, Leeds 24, Sheffield 20, Hull 13, Sunderland 15, and Newcastle-upon-Tyne 18.

In Edinburgh the deaths registered last week were at the annual rate of 27 per 1000 persons living, in Glasgow 30 per 1000, and in Dublin 20.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 29 per 1000 persons living. Small-pox caused 165 deaths as compared with 173, 218, and 195 in the three preceding weeks.

In Berlin the deaths recorded during the seven days ending the 9th instant gave an annual rate of 24 per 1000, and in Vienna during the week ending 4th instant, a rate of 37 per 1000.

In the City of Bombay the deaths registered during the week ending May 17th were 285, and the mortality was at the annual rate of 18 per 1000.

In LONDON the *births* of 1058 boys and 1006 girls, in all 2064 children, were registered last week. The *deaths* registered in the same time were 1273. During the corresponding weeks of ten previous years the registered births averaged 1890, and the deaths 1192 per week; after making due allowance for increase of population, the average for the past week is estimated at 2079 births and 1311 deaths; the registered births, therefore, were 15, and the deaths 38 below the estimated average.

The deaths under 5 years of age were 542, at the ages 5 to 20 years they were 105, at 20 to 40 years 208, at 40 to 60 years 201, at 60 to 80 years 186, and 31 at 80 years and upwards. Of infants in their first year 268 died, and 217 persons aged 60 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 24, in the Northern group of 21, in the Central group of 22, in the Eastern group of 21, and in the Southern group of 18 per 1000 persons living.

Zymotic diseases caused 320 deaths, including 8 from small-pox, 53 from measles, 103 from scarlet fever, 4 from diphtheria, 8 from croup, 33 from whooping-cough, 4 from typhus, 8 from enteric (or typhoid) fever, 14 from simple continued fever, 9 from erysipelas, and 34 from diarrhoea. The increased fatality of scarlet fever has chiefly arisen in the Western district of Kensington. Sixty-four deaths resulted from violence: of these 47 were accidental, including 22 by fractures, 13 by drowning, and 6 infants and 2 adults by suffocation. Sixteen suicides were registered.

Seven fatal accidents by horses or vehicles in the streets were returned last week: a girl, aged 2 years, died on 24th May in the New-road, "accidentally run over by a cart;" a man, aged 38 years, died on 2d June at Hackney, "run over by a four-horse drag;" a girl, aged 4 years, died on 2d June at the German Hospital, Dalston, "accidentally run over;" a warehouseman, aged 27 years, died on 2d June at the London Hospital, of "tetanus from falling off an omnibus acci-

dentally;" a boy, aged 9 years, died on 4th June at the London Hospital," run over by a private carriage;" a stable-keeper, aged 29 years, died on 4th June, having been thrown from a conveyance by the horse running away and coming into collision with a lamp post in Sloane-street; a girl, aged 3 years, died on 8th June at the London Hospital, "run over by a horse and cart accidentally."

In the Public Institutions of the Metropolis 211 deaths were registered; of these 117 occurred in Workhouses, 2 in Military and Naval Asylums, 64 in General Hospitals, 13 in Hospitals for special diseases, 4 (2 women and 2 children) in Lying-in Hospitals, 5 in Military and Naval Hospitals, 3 in Hospitals and Asylums for Foreigners, and 3 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·969 in.; the highest was 30·37 in. on Monday, and the lowest was 29·55 in. on Friday. The mean temperature of the *air* was 58°·0, or 0°·5 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 76°·8 on Wednesday; the lowest night temperature was 41°·4 on Monday; the entire range of temperature in the week was, therefore, 35°·4. The highest temperature in the sun was 148°·5 on Tuesday. The difference between the mean *dew-point* temperature and *air* temperature was 10°·8. The mean degree of *humidity* of the air was 68, complete saturation being represented by 100. No *rain* fell during the week. The general direction of the *wind* was N.N.E. and W.S.W.; and the horizontal movement of the air amounted to 11·6 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns, ranged from 52°·2 in Hull to 59°·8 in Portsmouth; the lowest recorded night temperature was 32°·0 in Hull, and the highest day temperature in the shade was 80°·2 in Manchester. Rain fell in amounts varying from ·02 in. to ·32 in. in Bristol, Wolverhampton, Liverpool, Manchester, Salford, Bradford, Leeds, Sheffield, Hull, and Newcastle-on-Tyne.

This spring season has been remarkable for the absence of rain. April and May have enjoyed scarcely any of their customary showers; and since the full moon of March 17th the total rain-fall at Greenwich has only been 1½ inch in 16 out of 86 days; 70 days were rainless. The average rain-fall of April and May is 4·0 inches; in the last two months it has been only one-fifth part (0·8 inch.) of that quantity. The rain-fall during the first five months of the year has been on an average of 54 years 8·9 inches; this year the total amount measured at Greenwich has been 4·9 inches. Taking the years entire there has been no deficiency of rain since 1864, when 7½ inches less than the average fell; but the fall during the first five months of 1864 was 7 inches, so that the present year, so far, compares unfavourably with even that exceptionally dry year. The quantity measured at Greenwich during May last was 0·5 in., while the smallest quantity measured in any previous May for the last 10 years was 1·3 in. in 1863. The results for the other large towns of the kingdom have on the whole not been so unfavourable. The rain-fall for the present year has been in Glasgow 15·6 in., Manchester 9·6 in., Birmingham 8·3 in., Sheffield 8·6 in., Bristol 7·8 in., Bradford 7·1 in., Leeds 7·1 in., Wolverhampton 7·2 in., Dublin 6·8 in., Liverpool 6·9 in., Portsmouth 6·7 in., and Norwich 5·1 in. The want of large storages of the water that now falls to waste in floods, and of the means of distributing town sewage divested of zymotic excreta over the thirsty fields, is now felt by the farmer. Happily, hitherto the public health shows no signs of suffering.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 14°·4; the highest day temperature in the shade was 24°·9; the lowest night temperature was 5°·2; the highest temperature in the sun was 64°·7. The mean temperature of the week on an average of 50 years was 14°·2, or 0°·2 below the temperature of last week. The wind blew at the rate of 18·6 kilometers an hour.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 158,953 cubic metres, and at Barking 159,688 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTY-THIRD Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1691	1847	1793	1848	1923	1956	1959	1922	2016	1940	1889·5	2064
Males . .	842	963	915	971	985	1008	1006	965	1042	1002	969·9	1058
Females .	849	884	878	877	938	948	953	957	974	938	919·6	1006
TOTAL Deaths	969	1101	1114	1214	1235	1289	1383	1103	1160	1305	1192·3	1273
Males	497	566	595	607	661	662	676	559	599	687	610·9	672
Females	472	535	519	607	624	627	707	544	561	618	581·4	601

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Mar. 19.	Mar. 26.	Apr. 2.	Apr. 9.	Apr. 16.	Apr. 23.	Apr. 30.	May 7.	May 14.	May 21.	May 28.	June 4.	June 11.
TOTAL Deaths - - -	1532	1478	1625	1631	1475	1487	1394	1314	1426	1313	1239	1232	1273
Deaths under 5 years of age -	613	577	665	626	591	611	538	515	589	544	515	482	542
Deaths 5—20 - - -	101	104	120	111	86	110	109	95	112	119	95	125	105
Deaths 20—40 - - -	218	217	214	213	196	208	220	199	215	195	193	206	208
Deaths 40—60 - - -	259	241	231	292	261	252	238	242	230	199	206	205	201
Deaths 60—80 - - -	272	271	269	311	280	254	234	219	238	208	196	176	186
Deaths at 80 years & upwards	69	68	76	78	61	52	55	44	42	48	34	38	31
Deaths from Smallpox - -	3	5	8	8	2	10	3	9	6	19	11	12	8
" " Measles - - -	20	19	30	34	28	32	32	49	42	36	31	34	53
" " Scarlet Fever - -	81	56	78	71	70	77	68	74	76	81	90	91	103
" " Diphtheria - - -	4	5	2	3	9	3	6	1	3	5	3	7	4
" " Whooping-cough -	65	53	68	61	55	51	61	33	43	35	28	24	33
" " Typhus fever - - -	8	10	6	6	6	10	13	8	7	7	8	3	4
" " Enteric (or Ty- " " phoid) fever - - -	8	16	11	18	16	18	15	11	15	14	13	17	8
" " Simple Cont'd fever	13	10	12	14	8	10	11	12	11	12	11	14	14
" " Diarrhœa - - -	11	9	13	16	18	17	13	14	14	17	13	22	34
" " Phthisis - - -	193	184	202	198	201	173	193	188	200	165	179	173	181
" " Bronchitis - - -	212	221	231	259	196	176	133	123	136	116	98	85	75
" " Pneumonia - - -	86	93	107	107	66	91	86	67	59	65	57	57	61
" " Heart Disease - -	74	65	76	69	65	78	64	51	70	59	52	70	43
Mean Temperature of the Air	41·0	38·1	37·2	45·5	50·1	55·0	47·7	45·6	49·3	59·8	56·6	58·1	58·0
Mean Temperature of the Water of the Thames - }	42·3	43·4	39·4	43·4	45·3	—	—	—	—	—	—	—	—
Humidity of the Air - - -	82	83	80	71	71	61	76	76	83	69	69	77	68
Rain-fall in inches - - -	0·44	0·37	0·00	0·07	0·07	0·00	0·13	0·02	0·37	0·04	0·00	0·16	0·00

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Taborton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 11th day of June 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Popu- lation in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 11th June.	DEATHS registered during the Week ending 11th June.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)		RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- meters.	
Total of 20 Towns in the UNITED Kingdom - - -	213,281	7,216,325	33·8	4727	2890	80·4	32·0	57·4	14·11	0·11	0·20	
LONDON - - -	77,997	3,214,707	41·2	2064	1273	76·8	41·4	58·0	14·44	0·00	0·00	
PORTSMOUTH - -	9,513	122,984	12·8	70	42	77·4	45·6	59·8	15·44	0·00	0·00	
NORWICH - - -	7,472	81,087	10·9	48	29	70·5	42·0	54·7	12·61	0·00	0·00	
BRISTOL - - -	4,688	171,382	36·6	126	68	74·1	42·4	57·0	13·89	0·02	0·00	
WOLVERHAMPTON -	3,387	72,990	21·5	52	20	78·0	42·2	53·1	14·50	0·11	0·20	
BIRMINGHAM - -	7,831	369,604	47·2	270	116	78·0	43·5	53·5	14·72	0·00	0·00	
LEICESTER - - -	3,200	97,427	30·4	83	22	—	—	—	—	—	—	
NOTTINGHAM - -	1,996	88,888	44·5	43	23	78·6	42·2	53·7	14·83	0·00	0·00	
LIVERPOOL - - -	5,108	517,567	101·3	351	198	72·2	45·8	56·9	13·83	0·21	0·50	
MANCHESTER - -	4,486	374,993	83·6	200	167	80·2	43·0	53·7	14·83	0·31	0·70	
SALFORD - - -	5,172	121,580	23·5	60	50	79·5	42·9	57·6	14·22	0·32	0·80	
BRADFORD - - -	6,590	143,197	21·7	74	72	76·4	46·5	53·8	14·89	0·06	0·10	
LEEDS - - -	21,572	259,527	12·0	203	120	79·0	42·0	59·1	15·05	0·08	0·20	
SHEFFIELD - - -	22,830	247,378	10·8	149	94	77·0	40·0	57·3	14·05	0·13	0·30	
HULL - - -	3,562	130,869	36·7	65	32	71·0	32·0	52·2	11·22	0·13	0·30	
SUNDERLAND - -	3,306	100,979	30·5	73	29	—	—	—	—	—	—	
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	76	46	73·0	45·0	54·7	12·61	0·12	0·30	
EDINBURGH - - -	4,427	178,970	40·4	149	93	74·7	45·0	57·8	14·33	0·20	0·50	
GLASGOW - - -	5,063	468,139	92·5	399	265	77·8	43·0	57·0	13·89	0·22	0·50	
DUBLIN - - -	9,745	321,540	33·0	172	126	80·4	41·5	53·3	14·61	0·00	0·00	
PARIS - - -	7,802	1,889,842	242	—	1053	—	—	—	—	—	—	
						Week ending 4th June 1870.						
VIENNA - - -	3,728*	622,087	167	—	442	—	—	60·8	16·00	—	—	
						Week ending 9th June 1870.						
BERLIN - - -	6,253	800,000	128	624	373	—	—	—	—	—	—	

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 11th day of June 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Public
LONDON - - -	21	1273	268	217	8	53	103	4	33	26	34	64	99	21
PORTSMOUTH - -	18	42	8	10	—	—	—	—	4	2	—	—	—	—
NORWICH - - -	19	29	8	7	—	—	—	—	—	—	2	—	1	—
BRISTOL - - -	21	68	12	10	—	1	18	1	1	1	1	1	1	—
WOLVERHAMPTON -	14	20	9	3	—	—	—	—	1	—	—	—	—	—
BIRMINGHAM - -	16	116	31	21	—	2	4	3	2	6	1	6	15	3
LEICESTER - - -	12	22	5	2	—	—	—	—	—	1	—	—	—	—
NOTTINGHAM - -	16	28	7	6	—	2	1	—	—	1	—	—	3	—
LIVERPOOL - - -	20	198	53	24	—	3	12	4	3	10	9	9	12	3
MANCHESTER - -	23	167	35	20	—	1	5	1	7	12	2	8	13	2
SALFORD - - -	22	50	6	15	—	—	1	—	—	—	1	—	3	—
BRADFORD - - -	26	72	20	11	—	2	4	—	2	5	1	—	—	—
LEEDS - - -	24	120	31	25	—	3	12	—	3	4	4	5	8	1
SHEFFIELD - - -	20	94	17	14	—	—	14	—	1	4	3	2	4	1
HULL - - -	13	32	6	7	—	—	2	—	—	1	—	—	2	—
SUNDERLAND - -	15	29	6	5	—	—	—	—	1	—	1	3	4	—
NEWCASTLE-ON-TYNE	18	46	14	13	—	1	1	—	1	1	1	1	4	—
DUBLIN - - -	20	126	18	32	—	—	6	—	1	7	2	4	3	1

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON		2,803,989	2064	1273	268	217	8	53	103	4	33	4	8	14	34	64	99	2	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	34	20	4	4	-	1	3	-	-	-	-	-	-	-	1	3	
St. John Paddington H		36769	12	8	-	2	-	-	2	-	-	-	-	-	-	1	-	-	
Kensington Town W		51910	46	32	8	7	-	2	5	-	1	-	-	4	-	-	-	-	
Brompton H		18198	16	10	1	1	-	2	1	1	-	-	-	-	-	-	-	-	
St. Peter Hammersmith		5415	5	4	-	5	-	-	4	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	17	10	1	1	-	-	2	-	-	-	-	-	-	-	-	-	
Fulham W		15539	23	14	5	2	-	1	1	-	-	-	-	2	-	1	2	1	
Chelsea South H		21654	17	11	1	4	-	1	1	-	-	-	-	1	-	-	-	-	
Chelsea North-west HW		19899	16	20	4	6	-	-	-	-	-	1	-	-	8	-	-	10	
Chelsea North-east		21886	15	6	-	3	-	-	3	-	-	-	-	-	-	-	-	-	
Hanover Square		19773	9	4	-	-	-	-	1	-	-	-	-	-	-	1	1	-	
May Fair W		12885	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	36	28	5	3	-	-	2	1	1	-	-	-	1	4	5	8	
St. John Westminster H		37483	28	18	6	1	-	-	2	-	-	-	-	-	-	-	-	-	
St. Margaret Westminster WH		39730	9	33	7	5	-	-	2	1	2	-	-	1	2	2	3	12	
St. James's Square		10753	5	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	4	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Berwick-street		19607	8	11	2	2	-	-	2	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17426	15	11	3	1	-	-	2	-	1	-	-	1	-	-	1	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	20	20	2	5	-	-	5	-	-	-	-	-	-	8	8	7	
Cavendish Square		15990	9	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W		26692	13	20	4	6	-	3	-	-	-	-	-	-	-	-	-	-	
St. Mary Marylebone H		22493	22	7	1	2	-	1	-	-	-	-	-	-	-	-	-	-	
Christchurch Marylebone		34913	18	12	8	-	-	-	-	-	-	-	-	-	-	1	2	-	
St. John Marylebone		32540	17	8	1	2	-	1	-	-	-	-	-	-	-	-	-	-	
Hampstead WH		19106	8	12	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
Regent's Park Pancras		34927	30	19	6	-	-	1	2	-	-	-	-	-	-	2	2	-	
Tottenham-court WH		29371	10	17	4	5	-	-	-	-	-	-	-	3	-	-	-	-	
Gray's Inn Lane H		27808	21	11	2	-	-	-	-	-	-	-	-	-	1	-	-	-	
Somers Town		38099	24	12	1	1	-	-	2	-	-	-	-	-	-	1	2	-	
Camden Town W		23264	9	13	1	5	-	-	3	-	-	-	-	-	-	-	-	-	
Kentish Town		44317	49	24	6	7	-	-	2	-	1	-	-	1	-	1	1	-	
Islington West* WHH		75442	74	39	7	4	3	4	5	-	-	1	-	-	-	-	1	12	
Islington East Ww		79899	64	45	17	5	-	5	3	-	-	-	1	4	-	-	1	1	
Stoke Newington		6608	5	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
Stamford Hill		6483	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	18	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
Hackney Ww		31481	26	17	2	7	-	-	1	-	-	-	-	-	1	2	2	-	
South Hackney L		15458	10	7	-	1	-	-	1	-	-	-	-	-	-	1	2	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	8	3	1	1	1	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH		19483	13	15	7	3	-	-	-	-	-	-	-	-	-	1	3	-	
St. Giles North		17201	11	3	1	-	-	-	-	-	1	-	-	-	-	-	-	-	
Long Acre		11618	4	8	1	1	-	-	1	-	-	-	-	-	-	-	1	-	
Charing Cross WH		11071	3	3	1	-	-	-	-	-	-	-	-	-	-	-	1	2	
St. Mary-le-Strand		10346	1	7	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
St. Clement Dances H		15207	4	7	-	3	-	-	1	2	-	-	1	-	-	-	-	-	
St. George-the-Martyr H		19903	8	10	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Andrew East Holborn W		12947	5	11	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Saffron Hill		12012	6	2	-	1	-	-	1	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W		19152	10	11	1	3	-	1	1	-	1	-	-	2	-	-	1	-	
Arnwell Clerkenwell		17250	15	10	4	1	-	1	2	-	-	-	-	-	1	-	-	-	
Pentonville		13679	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street		16390	15	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
Old-street		11504	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
City-road HL		17860	24	10	2	1	-	-	2	-	-	-	-	-	-	-	-	-	
Whitecross-street		14778	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Finsbury		12381	4	5	2	-	-	-	2	-	-	-	-	-	1	-	-	-	
St. Botolph East London		20990	8	7	2	-	-	1	1	-	-	-	-	-	-	-	-	-	
Cripplegate		19397	10	7	-	1	-	1	1	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH		11750	3	9	-	2	-	-	-	-	-	-	-	-	-	-	1	8	
St. Bride W		15395	11	5	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9020	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	2	5	1	2	-	-	1	-	-	-	-	-	-	1	1	-	
Allhallows Barking		8659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 11th June 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
EAST DISTRICTS.																		
Holwell Shoreditch	-	17313	6	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch Lt	-	19188	9	8	1	1	-	1	-	-	-	-	-	-	-	-	-	2
Hoxton New Town w	-	26516	20	17	4	3	-	-	3	-	1	-	-	-	-	-	1	4
Hoxton Old Town	-	25777	25	8	2	1	-	2	-	-	-	-	-	-	-	2	2	-
Haggerstone West W	-	23260	27	13	3	3	-	-	-	-	-	-	-	-	1	-	-	6
Haggerstone East	-	17310	15	10	1	2	-	-	-	-	-	-	-	-	-	1	4	-
Hackney-road	-	26298	21	4	1	-	2	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green WHL†	-	31789	26	14	5	5	-	-	-	-	-	-	-	1	-	-	-	6
Church, Bethnal Green	-	25528	14	5	2	1	-	-	-	-	1	-	-	-	-	-	-	-
Town, Bethnal Green	-	21446	15	4	2	1	-	-	-	-	-	-	-	-	1	-	-	-
Artillery Whitechapel	-	6557	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Spitalfields	-	15700	13	4	1	-	-	-	1	-	-	-	-	-	1	-	-	-
Mile End New Town W	-	15392	7	12	4	4	-	-	1	-	-	2	-	-	-	-	1	-
Whitechapel North	-	12122	10	4	2	4	-	-	-	-	-	-	-	1	-	-	-	-
Whitechapel Church H	-	8662	7	16	1	3	-	-	-	-	-	-	-	-	-	6	6	14
Goodman's Fields	-	11166	13	4	-	-	-	-	1	-	1	-	-	-	-	-	-	-
Aldgate	-	9971	4	5	1	-	-	-	-	1	-	-	-	-	-	-	-	-
St. Mary St. George East	-	18181	16	7	3	-	1	-	-	-	-	-	-	-	-	-	-	-
St. Paul St. George East	-	21015	19	7	1	2	-	1	-	-	-	-	-	-	1	-	3	-
St. John St. George East W	-	9695	3	4	1	-	1	-	-	-	-	-	-	-	-	1	1	1
Shadwell W	-	12337	4	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Ratcliff WH	-	16874	11	4	2	-	-	-	-	-	-	-	-	-	-	-	1	-
Limehouse W	-	27161	13	10	2	2	-	1	-	-	-	-	-	-	-	2	3	-
Mile End Old Town West	-	33747	34	10	4	1	-	1	-	-	1	-	-	-	-	-	1	-
Mile End Old Town East Ww	-	39317	45	19	3	5	-	-	2	-	1	-	-	-	2	-	1	2
Row WwL†	-	35667	45	23	6	4	-	3	1	-	-	-	-	-	1	-	4	5
Poplar W	-	43329	42	28	7	5	-	-	-	-	-	-	-	-	-	2	3	4
SOUTH DISTRICTS.																		
Christchurch Southwark W	-	17069	10	5	2	1	-	-	-	-	-	-	-	-	-	-	-	2
St. Saviour Southwark H	-	19101	14	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Kent-road	-	19352	17	7	2	1	-	-	-	-	-	-	-	-	-	-	1	-
Borough-road W	-	16928	14	11	3	2	-	-	1	-	-	-	-	-	-	-	1	-
London-road L	-	19190	11	8	2	1	-	-	-	-	-	-	-	-	-	-	1	4
Trinity Newington	-	22675	14	6	-	2	-	-	-	-	-	-	-	-	-	-	1	-
St. Peter Walworth W	-	44463	26	12	4	2	-	-	1	-	-	-	-	-	-	1	1	-
St. Mary Newington H	-	15682	13	10	2	2	-	-	-	-	-	-	-	1	-	-	-	4
St. Olave Southwark H	-	7663	2	8	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. John Horsleydown W	-	11393	4	6	1	-	-	-	1	-	-	-	-	-	1	-	-	8
Leather Market	-	16696	5	5	2	-	-	-	1	-	-	-	-	-	-	-	-	1
St. Mary Magdalen W	-	16505	8	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-
St. James Bermondsey	-	25154	35	12	2	4	-	-	-	-	-	-	-	-	-	-	-	-
Rotherhithe W	-	24502	10	11	2	3	-	-	1	-	-	-	-	-	1	-	2	-
Waterloo-road 1st	-	15269	11	3	-	-	-	1	-	-	-	-	-	-	-	1	1	-
Waterloo-road 2nd H	-	18640	17	7	4	-	-	-	-	1	-	1	-	-	-	-	-	2
Lambeth Church 1st	-	19839	18	9	2	2	-	-	-	-	1	-	-	-	-	-	-	-
Lambeth Church 2nd W	-	29542	31	21	2	3	-	-	-	-	1	-	-	-	-	1	1	8
Kennington 1st	-	39185	34	16	7	4	-	-	3	-	-	-	-	-	1	-	-	-
Kennington 2nd	-	20440	23	12	-	1	-	1	4	-	1	1	-	-	-	-	-	-
Brixton	-	20667	15	10	1	-	-	-	2	-	-	-	-	-	-	-	-	-
Norwood W	-	7462	5	4	1	1	-	-	1	-	1	-	-	-	-	-	-	-
Clapham	-	20894	16	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Battersea W	-	19690	49	22	4	3	-	1	5	-	-	-	1	-	-	-	-	-
Wandsworth L	-	13346	13	5	-	1	-	-	2	-	-	-	1	-	2	1	-	4
Putney	-	6481	5	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Streatham	-	10082	11	4	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Dulwich	-	1723	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell WLT†L†	-	21297	19	4	2	1	-	-	-	-	-	-	-	-	-	1	1	-
Peckham W	-	26135	27	6	1	-	-	-	-	-	-	-	-	-	-	1	1	-
St. George Camberwell	-	20333	22	9	1	2	-	-	-	-	-	-	-	1	-	1	-	-
St. Paul Deptford	-	37334	40	21	5	2	-	-	-	1	-	2	-	-	-	3	3	-
St. Nicholas Deptford	-	8139	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West H	-	21695	11	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-
Greenwich East WH	-	18306	18	9	-	3	-	-	1	-	-	-	-	-	-	1	1	5
Eltham	-	3009	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee	-	11003	7	5	-	2	-	-	-	-	1	-	-	-	-	-	-	-
Lewisham Village W	-	7372	3	4	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Sydenham	-	10595	10	4	2	-	-	-	-	-	-	-	-	-	1	-	-	-
Charlton H	-	9276	4	7	1	1	-	-	-	-	-	-	-	-	-	-	-	3
Woolwich Dockyard H	-	22919	5	4	-	-	-	1	-	-	1	-	-	-	-	1	1	-
Woolwich Arsenal H	-	18776	19	13	5	1	-	-	1	-	1	-	-	-	-	2	4	-
Plumstead, West	-	24502	8	3	-	1	-	-	-	-	-	-	1	-	-	-	-	-
Plumstead, East	-		7	6	1	1	-	-	1	-	1	-	1	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand - - - - -	London City - - - - -
London City - - - - -	Islington East.
Do. do. - - - - -	Hackney sub-district.
	Stepney - - - - -
	{ Mile End Old Town Eastern sub-dist. and Bow sub-district.
	{ Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7. — METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 11th JUNE, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		READINGS OF THERMOMETERS.						DIFFERENCE				WIND.				RAIN.	
Phases of Moon.	Barometer.	Mean		Dry.		Wet.		In the Water of		Between Dew Point		As deduced from Anemometers.		Collected			
		High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean Thermometer value.	Lowest value.	Highest.	Thermometers.	Temperature	Pressure on square foot	Complete in a Gale.	Amount of Rain received above the ground.			
		est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.			
JUNE.																	
SUNDAY . . . 5	First Quarter	30.333	30.310	52.0 20.2	56.7 50.4	127.7 44.2	6.3 20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MONDAY . . . 6	Quarter	30.310	30.310	52.0 20.2	56.7 50.4	127.7 44.2	6.3 20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TUESDAY . . . 7	Quarter	30.239	30.239	52.0 20.2	56.7 50.4	127.7 44.2	6.3 20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
WEDNESDAY . . . 8	Equinox	29.970	29.970	52.0 20.2	56.7 50.4	127.7 44.2	6.3 20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
THURSDAY . . . 9	Equinox	29.655	29.655	52.0 20.2	56.7 50.4	127.7 44.2	6.3 20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
FRIDAY . . . 10	Equinox	29.565	29.565	52.0 20.2	56.7 50.4	127.7 44.2	6.3 20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SATURDAY . . . 11	Perigee	29.711	29.711	52.0 20.2	56.7 50.4	127.7 44.2	6.3 20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MEANS . . .		29.969	29.969	52.0 20.2	56.7 50.4	127.7 44.2	6.3 20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
No. of Columns		4	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

DATE.		ELECTRICITY.		SKY AND ATMOSPHERE.		NOTES.	
JUNE.							
SUNDAY . . . 5	No electricity was shown.						
MONDAY . . . 6	Weak positive was shown in the afternoon.						
TUESDAY . . . 7							
WEDNESDAY . . . 8							
THURSDAY . . . 9	No electricity was shown.						
FRIDAY . . . 10							
SATURDAY . . . 11							

The height of the eastern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's first glass standard barometer. The observations are taken at 9h. A.M.; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted in mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part I, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; as well as the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 59 years ending 1853, December 31.

* In reading the 17th column it will be borne in mind that — is read "higher," and — "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 30.23 in. at the beginning of the week to 30.37 in. by 9h. A.M. on the 6th; decreased to 29.53 in. by 3h. P.M. on the 10th; and increased to 29.83 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 24. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, JUNE 18. [Price 1d.

*General Register Office, Somerset House,
20th June 1870.*

DURING the week ending Saturday the 18th instant, 4899 *births* and 2960 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 21 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 21 per 1000, Portsmouth 18, Norwich 16, Bristol 25, Wolverhampton 22, Birmingham 16, Leicester 16, Nottingham 15, Liverpool 20, Manchester 26, Salford 24, Bradford 26, Leeds 20, Sheffield 21, Hull 21, Sunderland 19, and Newcastle-upon-Tyne 22. The following are the results of a comparison of the returns from these 17 towns for the last six weeks, with those for the preceding five weeks of the present quarter. The annual rate of mortality from all causes has fallen from 24 to 21 per 1000; the proportion of deaths under one year of age to the births registered has decreased from 14·9 to 13·7 per cent.; while relatively to the total deaths registered there has been an increase from 22·9 to 23·1 per cent. in the deaths of children under one year of age, a decrease from 20·5 to 18·5 per cent. in the deaths of persons aged 60 years and upwards, and an increase from 14·7 to 17·1 per cent. in the deaths from seven of the chief zymotic diseases. Small-pox, measles, scarlet fever, fever, and diarrhoea have all increased in fatality, whooping-cough alone exhibiting a decline.

In Edinburgh the deaths registered last week were at the annual rate of 27 per 1000 persons living, in Glasgow 27 per 1000, and in Dublin 21.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 32 per 1000 persons living. Small-pox was fatal to 238 persons, being 20 in excess of the highest number returned for any previous week during the present epidemic.

In Berlin the deaths recorded during the seven days ending the 16th instant gave an annual rate of 32 per 1000, and in Vienna during the week ending 11th instant, a rate of 37 per 1000.

In LONDON the *births* of 1074 boys and 925 girls, in all 1999 children, were registered last week. The *deaths* registered in the same time were 1292. During the corresponding weeks of ten previous years the registered births averaged 1941 and the deaths 1189 per week; after making due allowance for increase of population, the average for the past week is estimated at 2135 births and 1308 deaths; the registered births, therefore, were 136, and the deaths 16, below the estimated average. The mortality during the last five weeks has averaged 21 per 1000 per annum, agreeing exactly with the rate for the corresponding five weeks of last year.

The deaths under 5 years of age were 544, at the ages 5 to 20 years they were 112, at 20 to 40 years 177, at 40 to 60 years 209, at 60 to 80 years 208, and 42 at 80 years and upwards. Of infants in their first year 279 died, and 250 persons aged 60 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 23, in the Northern group of 21, in the Central group of 22, in the Eastern group of 22, and in the Southern group of 19 per 1000 persons living.

Zymotic diseases caused 331 deaths, including 7 from small-pox, 36 from measles, 100 from scarlet fever, 7 from diphtheria, 6 from croup, 25 from whooping-cough, 16 from typhus, 16 from enteric (or typhoid) fever, 15 from simple continued fever, 10 from erysipelas, and 56 from diarrhoea. During the four weeks ended May 21st, the deaths by scarlet fever were at the annual rate of 12 per 10,000 of the population; in the last four weeks the mortality has risen to an annual rate of 16 per 10,000. There was a marked increase last week in the deaths from typhus, enteric, and simple continued fevers.

Fifty-two deaths resulted from violence: of these 43 were accidental, including 20 by fractures, 3 by burns or scalds, 9 by drowning, and 3 (infants) by suffocation. Four infants were returned as having died by murder or manslaughter. The deaths of a child, aged 2 years, and of a labourer, aged 37 years, were caused by sun-stroke; in the case of the child the cause of death was registered "sun stroke, 2 weeks; convulsions, 4 days." A labourer, aged 60 years, died on 12th June at the workhouse, Mile End New Town, of "exhaustion from privation and want." (*Post mort. Inquest.*)

Three fatal accidents caused by horses or vehicles in the streets were returned last week:—A carman, aged 26 years, died on 13th June at the London Hospital, of "fractured skull, run over by a van;" a boy, aged 8 years, died on 14th June, of "fractured skull, run over by a horse and cart;" a boy, aged $2\frac{1}{2}$ years, died on 16th June at the London Hospital, of "shock and fractured skull, run over by a horse and cart."

In the Public Institutions of the Metropolis 228 deaths were registered; of these 108 occurred in Workhouses, 1 in Military and Naval Asylums, 82 in General Hospitals, 15 in Hospitals for special diseases, 1 (child) in Lying-in Hospitals, 7 in Military and Naval Hospitals, 2 in Hospitals and Asylums for Foreigners, and 12 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·920 in.; the highest was 30·05 in. on Sunday morning, and the lowest was 29·71 in. on Friday. The mean temperature of the *air* was 64°·6, or 5°·6 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 86°·2 on Thursday; the lowest night temperature was 50°·5 on Saturday; the entire range of temperature in the week was, therefore, 35°·7. The highest temperature in the sun was 151°·7 on Friday. The mean temperature was above the average on every day in the week, the greatest excess being 10°·5 on Thursday. The difference between the mean *dew-point* temperature and *air* temperature was 11°·1. The mean degree of *humidity* of the air was 68, complete saturation being represented by 100. The dryness of the atmosphere has been remarkable during the last fortnight. *Rain* fell during the week (on Thursday evening and on Friday) to the amount of 0·15 in. The general direction of the *wind* was W.S.W.; and the horizontal movement of the air amounted to 10·6 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 57°·6 in Salford, to 61°·7 in Norwich; the lowest recorded night temperature was 44°·0 in Leeds, and the highest day temperature in the shade was 81°·8 in Norwich. More than an inch of rain fell in Bradford and Leeds; more than half an inch in Bristol, Birmingham, Liverpool, Salford, and Sheffield; in the other towns the fall was less than half an inch.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 18°·1; the highest day temperature in the shade was 30°·1; the lowest night temperature was 10°·3; the highest temperature in the sun was 66°·5. The mean temperature of the week on an average of 50 years was 15°·0, or 3°·1 below the temperature of last week. The wind blew at the rate of 17 kilometers an hour, and the rain-fall was 0·38 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 180,426 cubic metres, and at Barking 161,038 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTY FOURTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1752	1943	1782	1995	1776	2013	1932	2162	2273	1784	1941·2	1999
Males . .	879	1017	900	995	912	1028	1000	1121	1175	949	997·6	1074
Females .	873	926	882	1000	864	985	932	1041	1098	835	943·6	925
TOTAL Deaths	1034	1121	1119	1186	1296	1204	1370	1094	1195	1236	1188·5	1292
Males . .	560	590	586	626	713	669	760	596	645	648	639·3	680
Females .	504	531	533	560	583	535	610	498	550	588	549·2	612

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Mar. 26.	Apr. 2.	Apr. 9	Apr. 16.	Apr. 23.	Apr. 30.	May 7.	May 14.	May 21.	May 28.	June 4.	June 11.	June 18.
TOTAL Deaths - - -	1478	1625	1631	1475	1487	1394	1314	1426	1313	1239	1232	1273	1292
Deaths under 5 years of age -	577	665	626	591	611	538	515	589	544	515	482	542	544
Deaths 5—20 - - -	104	120	111	86	119	109	95	112	119	95	123	105	112
Deaths 20—40 - - -	217	214	213	196	208	220	199	215	195	193	206	208	177
Deaths 40—60 - - -	241	231	292	231	252	233	242	230	199	206	205	201	209
Deaths 60—80 - - -	271	269	311	280	254	234	219	233	208	196	176	186	208
Deaths at 80 years & upwards	68	76	73	61	52	55	44	42	48	34	38	31	42
Deaths from Small-pox -	5	8	6	2	10	3	9	6	19	11	12	8	7
" " Measles - - -	19	30	34	28	32	32	49	42	36	31	34	53	36
" " Scarlet Fever -	56	78	71	70	77	68	74	76	81	90	91	103	100
" " Diphtheria - -	5	2	3	9	3	6	1	3	5	3	7	4	7
" " Whooping-cough	53	68	61	55	51	61	33	43	35	23	24	33	25
" " Typhus fever -	10	6	6	6	10	13	8	7	7	8	3	4	16
" " Enteric (or Ty- phoid) fever - - -	16	11	18	16	18	15	12	15	14	13	17	8	16
" " Simple Contagious fever - - -	10	12	14	8	10	11	12	11	12	11	14	14	15
" " Diarrhoea - - -	9	13	16	18	17	13	14	14	17	13	22	34	56
" " Phthisis - - -	184	202	198	200	173	193	188	200	165	179	173	181	161
" " Bronchitis - - -	221	231	259	196	176	133	123	136	116	98	85	75	80
" " Pneumonia - - -	93	107	107	66	91	86	67	59	65	57	57	61	50
" " Heart Disease -	65	76	69	65	78	64	51	70	59	52	70	43	60
Mean Temperature of the Air	38·1	37·2	45·5	50·1	55·0	47·7	45·6	49·3	59·8	55·6	58·1	58·0	64·6
Mean Temperature of the Water of the Thames - -	43·4	39·4	43·4	45·3	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	83	87	71	71	61	76	76	83	69	69	77	63	68
Rain-fall in inches - -	0·37	0·00	0·07	0·07	0·00	0·13	0·02	0·37	0·04	0·00	0·16	0·00	0·15

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; L. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarboiton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereith, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Fillicer, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 18th day of June 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 18th June.	DEATHS registered during the Week ending 18th June.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metres.
Total of 20 Towns in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	4899	2960	86·2	44·0	59·4	15·22	0·54	1·4
LONDON - - -	77,997	3,214,707	41·2	1999	1292	86·2	50·5	64·6	18·11	0·15	0·4
PORTSMOUTH - -	9,513	122,084	12·8	82	43	78·8	49·5	61·3	16·28	0·23	0·6
NORWICH - - -	7,472	81,087	10·9	32	25	81·8	49·5	61·7	16·50	0·31	0·8
BRISTOL - - -	4,688	171,382	36·6	130	83	77·3	52·3	59·2	15·11	0·51	1·4
WOLVERHAMPTON -	3,387	72,990	21·5	59	31	77·0	49·6	59·9	15·50	0·33	0·8
BIRMINGHAM - -	7,831	369,604	47·2	233	111	79·0	51·0	61·0	16·11	0·54	1·4
LEICESTER - - -	3,200	97,427	30·4	68	29	—	—	—	—	—	—
NOTTINGHAM - -	1,996	88,888	44·5	52	26	—	—	—	—	—	—
LIVERPOOL - - -	5,108	517,567	101·3	381	202	71·0	49·0	58·3	14·61	0·60	1·7
MANCHESTER - -	4,486	374,993	83·6	320	188	75·0	46·0	59·1	15·05	0·44	1·2
SALFORD - - -	5,172	121,580	23·5	104	56	73·9	44·1	57·6	14·22	0·67	1·7
BRADFORD - - -	6,590	143,197	21·7	90	70	75·0	48·0	59·1	15·05	1·21	3·0
LEEDS - - -	21,572	259,527	12·0	206	99	75·0	44·0	58·8	14·89	1·37	3·5
SHEFFIELD - - -	22,830	247,378	10·8	204	99	75·0	46·0	59·6	15·33	0·75	1·9
HULL - - -	3,562	130,869	36·7	64	52	—	—	—	—	—	—
SUNDERLAND - -	3,306	100,979	30·5	65	37	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	92	57	71·0	47·0	58·2	14·55	0·35	0·9
EDINBURGH - - -	4,427	178,970	40·4	148	92	68·7	46·0	57·6	14·22	0·30	0·8
GLASGOW - - -	5,063	468,189	92·5	409	241	66·0	44·4	55·9	13·28	0·82	2·0
DUBLIN - - -	9,745	321,540	33·0	161	127	72·9	47·0	58·8	14·89	0·10	0·3
PARIS - - -	7,802	1,889,842	242	—	1144	—	—	—	—	—	—
				Week ending 11 June 1870.	Week ending 11 June 1870.	Week ending 11th June 1870.					
VIENNA - - -	3,728*	622,087	167	—	436	—	—	—	—	—	—
				Week ending 16 June 1870.	Week ending 16 June 1870.	Week ending 16th June 1870.					
BERLIN - - -	6,253	800,000	128	639	497	—	—	66·4	19·12	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 18th day of June 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	Ex- posed.
LONDON - - -	21	1292	279	250	7	36	100	7	25	47	56	52	71	28
PORTSMOUTH - -	18	43	10	8	—	—	2	—	—	4	2	—	3	—
NORWICH - - -	16	25	5	8	—	—	3	—	—	1	2	2	2	—
BRISTOL - - -	25	83	23	14	—	3	9	—	2	2	2	1	1	1
WOLVERHAMPTON -	22	31	5	5	—	—	4	—	2	2	—	—	—	—
BIRMINGHAM - -	16	111	23	25	—	—	3	1	1	4	4	0	16	1
LEICESTER - - -	16	29	8	7	—	—	—	—	2	1	—	—	—	—
NOTTINGHAM - -	15	26	4	3	—	1	—	—	—	1	—	2	3	—
LIVERPOOL - - -	20	202	60	41	—	1	15	1	6	8	10	8	12	1
MANCHESTER - -	26	188	44	24	3	2	3	—	3	7	6	4	9	2
SALFORD - - -	24	56	22	7	1	—	3	—	2	2	5	1	2	—
BRADFORD - - -	26	70	22	7	1	—	1	—	2	2	1	3	3	—
LEEDS - - -	20	99	32	19	1	5	2	1	4	2	5	5	6	1
SHEFFIELD - - -	21	99	18	14	1	1	13	—	2	6	3	1	2	—
HULL - - -	21	52	11	17	—	—	5	—	1	2	—	—	3	1
SUNDERLAND - -	19	37	5	11	—	—	—	—	2	1	2	3	4	—
NEWCASTLE-ON-TYNE	22	57	20	13	—	—	—	—	1	2	3	—	1	—
DUBLIN - - -	21	127	18	24	—	1	5	—	5	6	3	3	6	4

TABLE 5.—DEATHS IN LONDON Registered in the TWENTY-FOURTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Twenty-fourth Week in the 10 years 1860-69.	In the Week ending Saturday, June 18, 1870.							CAUSES OF DEATH.		Averages of the Twenty-fourth Week in the 10 years 1860-69.	In the Week ending Saturday, June 18, 1870.								
			Deaths of Persons of the Ages										Deaths of Persons of the Ages								
			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.				80 Years and upwards.	ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
				Mean Tem.	0-5.	5-20.									Mean Tem.	0-5.	5-20.				
Mean Temperature	-	57.0	61.6	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	-	57.0	61.6	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES		1188.5	1292	544	112	177	209	208	42	9. Stricture of Intestines		.7	-	-	-	-	-	-	-		
SPECIFIED CAUSES		1172.5	1286	542	112	176	208	206	42	10. Fistula		.3	-	-	-	-	-	1	-		
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		5.8	9	3	-	2	8	1	-		
ORDER 1.										12. Pancreas Disease, &c.		1.3	2	-	-	-	-	-	-		
Small-pox		18.3	7	3	3	1	-	-	-	13. Hepatitis		4.3	-	-	-	-	1	1	-		
Measles		46.9	36	35	1	-	-	-	-	14. Jaundice		3.9	2	2	-	-	-	-	-		
Scarlet Fever (Scarlatina)		35.9	100	71	25	4	-	-	-	15. Liver Disease, &c.		14.8	18	-	-	1	10	7	-		
Diphtheria		7.8	7	4	3	-	-	-	-	16. Spleen Disease, &c.		.1	-	-	-	-	-	-	-		
Quincy		1.3	-	-	-	-	-	-	-	ORDER 5.											
Croup		10.9	6	6	-	-	-	-	-	1. Nephritis		.7	2	1	-	1	-	-	-		
Whooping cough		53.7	25	24	1	-	-	-	-	2. Icturia		.3	-	-	-	-	-	-	-		
Typhus		16	16	2	2	6	4	2	-	3. Bright's Disease (Nephria)		8.1	15	4	1	3	4	3	-		
Enteric or Typhoid Fever		45.7	16	5	5	4	1	2	2	4. Diabetes		1.7	2	-	-	-	2	1	-		
Simple continued Fever		1.7	1	1	-	-	-	-	-	5. Calculus (Stone)		.8	1	-	-	-	-	-	-		
Erysipelas		5.0	10	3	6	1	3	3	-	6. Cystitis		1.1	2	-	-	-	-	2	-		
Puerperal Fever (Metria)		2.9	4	-	-	4	-	-	-	7. Kidney Disease, &c.		5.2	5	-	1	1	1	2	-		
Carbuncle		.6	-	-	-	-	-	-	-	ORDER 6.											
Influenza		.4	-	-	-	-	-	-	-	1. Ovarian Dropsy		.8	-	-	-	-	-	-	-		
Dysentery		1.7	1	1	-	-	-	-	-	2. Uterus Disease, &c.		4.5	4	1	-	2	1	-	-		
Diarrhœa		29.0	56	47	4	1	1	1	2	ORDER 7.											
Simple Cholera		2.0	-	-	-	-	-	-	-	1. Synovitis (Arthritis)		.3	-	-	-	-	-	-	-		
Ague		.6	-	-	-	-	-	-	-	2. Joint Disease, &c.		4.8	5	2	1	-	2	-	-		
Remittent Fever		1.0	-	-	-	-	-	-	-	ORDER 8.											
Rheumatism		6.8	11	-	3	3	3	2	-	1. Phlegmon		1.7	-	-	-	-	-	-	-		
Other Zymotic Diseases		.2	-	-	-	-	-	-	-	2. Ulcer		1.0	-	-	-	-	-	-	-		
ORDER 2.										3. Skin Disease, &c.		.6	2	1	-	-	-	1	-		
Syphilis		6.0	5	4	-	-	1	-	-	IV. DEVELOPMENTAL DISEASES.											
Stricture of Urethra		1.2	1	-	-	-	1	-	-	ORDER 1.											
Hydrophobia		.4	-	-	-	-	-	-	-	1. Premature Birth		21.5	18	18	-	-	-	-	-		
Glanders		-	-	-	-	-	-	-	-	2. Cyanosis		1.6	1	1	-	-	-	-	-		
ORDER 3.										3. Spina Bifida		1.5	-	-	-	-	-	-	-		
Privation		.6	1	-	-	-	-	1	-	4. Other Malformations		1.1	4	4	-	-	-	-	-		
Want of Breast-milk		7.7	9	9	-	-	-	-	-	5. Teething		13.2	11	11	-	-	-	-	-		
Purpura and Scoury		1.6	1	1	-	-	-	-	-	ORDER 2.											
Also - a Del. Tremens		1.9	2	-	-	2	-	-	-	1. Pæramenia		.3	2	-	-	-	2	-	-		
Alism b Intemperance		1.8	-	-	-	-	-	-	-	2. Childbirth (see Puer- peral Fever)		5.6	2	-	-	2	-	-	-		
ORDER 4.										ORDER 3.											
Thrush		2.8	2	2	-	-	-	-	-	1. Old Age		38.7	53	-	-	-	-	29	24		
Worms, &c.		.2	-	-	-	-	-	-	-	ORDER 4.											
CONSTITUTIONAL DIS.										1. Atrophy and Debility		55.4	63	50	1	-	3	9	-		
ORDER 1.										V. VIOLENT DEATHS, &c.											
Gout		1.7	-	-	-	-	-	-	-	ORDER 1.											
Dropsy		12.2	16	-	1	1	4	8	2	(ACCIDENT OR NEGLIGENCE.)											
Cancer		26.7	30	-	-	2	18	9	1	1. Fractures and Contusions		15.3	20	3	3	5	5	4	-		
Carcinoma Oris (Noma)		1.2	1	1	-	-	-	-	-	2. Wounds		.3	-	-	-	-	-	-	-		
Mortification		2.8	6	-	1	-	1	2	2	3. Burns and Scalds		3.9	3	3	-	-	-	-	-		
ORDER 2.										4. Poison		.8	1	-	-	-	1	-	-		
Scrofula		10.8	7	6	1	-	-	-	-	5. Drowning		7.6	9	2	3	2	1	1	-		
Tabes Mesenterica		19.1	15	10	5	-	-	-	-	6. Suffocation		6.4	3	3	-	-	-	-	-		
Phthisis		154.9	161	11	16	71	48	12	3	7. Otherwise		2.1	7	1	2	2	1	1	-		
Hydrocephalus		31.0	34	31	3	-	-	-	-	ORDER 3.											
II. LOCAL DISEASES.										(HOMICIDE.)											
ORDER 1.										1. Murder and Manslaughter		3.1	4	4	-	-	-	-	-		
Cephalitis		13.1	23	15	4	3	1	-	-	ORDER 4.											
Apoplexy		52.3	43	4	-	3	20	15	1	(SUICIDE.)											
Paralysis		21.7	24	1	-	5	7	14	1	1. Wounds { Gunshot Cut, Stab		.4	-	-	-	-	-	1	-		
Insanity		1.6	2	-	-	-	-	2	-	2. Poison		.9	1	-	-	-	-	-	-		
Chorea		.1	1	-	1	-	-	-	-	3. Drowning		1.2	1	-	-	-	1	-	-		
Epilepsy		6.9	9	-	2	3	3	1	-	4. Hanging		2.4	-	-	-	-	-	-	-		
Convulsions		41.9	42	42	-	-	-	-	-	5. Otherwise		.1	1	-	-	1	-	-	-		
Brain Disease, &c.		16.7	17	4	-	5	2	6	-	ORDER 5.											
ORDER 2.										(EXECUTION.)											
Pericarditis		2.0	3	-	-	3	-	-	-	1. Hanging		-	-	-	-	-	-	-	-		
Aneurism		1.9	3	-	-	2	1	-	-	Violent Deaths (not classed)		-	2	-	1	1	-	-	-		
Heart Disease, &c.		53.6	60	4	3	10	21	19	3	Sudden Deaths (Cause un- ascertained) Causes not specified or ill- defined		3.3	-	-	-	-	-	-	-		
ORDER 3.										12.7		6	2	-	1	1	2	-	-		
Laryngitis		5.2	3	2	1	-	-	-	-												
Bronchitis		76.7	80	32	-	7	12	27	2												
Pleurisy		3.5	2	1	-	-	1	-	-												
Pneumonia		57.6	50	28	6	5	5	5	1												
Asthma		4.1	9	-	-	2	4	3	-												
Lung Disease, &c.		10.8	7	5	-	1	1	-	-												
ORDER 4.																					
Gastritis		1.5	2	2	-	-	-	-	-												
Enteritis		5.1	6	4	-	1	1	-	-												
Peritonitis		4.5	4	2	1	1	-	-	-												
Ascites		2.3	2	-	1	-	-	1	-												
Ulceration of Intestines		2.2	3	1	-	1	-	1	-												
Hernia		2.8	2	-	-	-	1	1	-												
Ileus		3.1	6	1	-	-	3	2	-												
Intussusception		1.0	2	1	-	-	-	1	-												

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Insti-
LONDON		2,803,989	1999	1292	279	250	7	36	100	7	25	16	16	15	56	52	71	22
WEST DISTRICTS		453,125	290	240	56	44	-	7	24	-	6	1	1	3	15	4	8	28
NORTH DISTRICTS		618,210	463	289	62	65	5	10	30	4	4	6	5	1	12	15	17	47
CENTRAL DISTRICTS		383,321	203	148	30	21	1	6	8	-	2	2	1	5	11	6	7	33
EAST DISTRICTS		571,158	415	262	57	59	1	5	11	1	4	3	4	2	9	18	32	68
SOUTH DISTRICTS		772,175	619	353	74	61	-	8	27	2	9	4	5	4	9	9	12	47
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	36	13	3	5	-	-	2	-	-	-	-	1	-	-	-	2
St. John Paddington H		36769	13	15	2	4	-	-	-	-	-	1	-	-	-	-	-	2
Kensington Town W		51910	51	34	13	6	-	1	3	-	-	-	-	-	5	-	-	2
Brompton H		18198	8	6	2	1	-	-	1	-	-	-	-	-	1	-	-	2
St. Peter Hammersmith		5415	7	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-
St. Paul Hammersmith H		19104	32	23	3	3	-	1	3	-	-	-	-	-	-	1	-	2
Fulham W		15339	16	10	3	3	-	-	-	-	-	-	-	-	-	-	-	-
Chelsea South H		21654	8	19	2	2	-	2	2	-	-	-	-	-	1	-	1	1
Chelsea North-west HW		19809	21	8	1	1	-	-	-	-	-	-	1	-	-	-	-	-
Chelsea North-east		21886	8	8	4	-	-	1	2	-	-	-	-	-	-	-	-	-
Hanover Square		19773	7	6	1	2	-	-	-	-	-	-	-	-	1	-	-	-
May Fair W		12885	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Belgrave H		55113	32	30	6	7	-	-	2	-	-	-	-	1	1	-	-	7
St. John Westminster H		37483	30	13	5	-	-	1	1	-	3	-	-	-	3	-	-	5
St. Margaret Westminster WH		30730	4	20	3	4	-	-	4	-	-	-	-	-	2	2	2	5
St. James's Square		10753	4	5	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Golden Square W		13966	8	11	2	2	-	-	3	-	-	-	-	-	-	-	-	3
Berwick-street		16067	2	6	4	1	-	-	1	-	-	-	-	-	1	-	-	-
St. Anne Soho		17423	4	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29932	13	13	3	2	-	2	4	-	-	-	-	-	-	-	-	1
Cavendish Square		15099	2	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W		20592	25	11	4	3	-	-	-	-	-	-	-	-	2	-	-	3
St. Mary Marylebone H		22493	25	11	5	-	-	-	1	3	-	-	-	-	-	-	-	-
Christchurch Marylebone		34913	14	13	1	6	-	1	2	-	-	-	-	-	1	-	-	-
St. John Marylebone		32540	17	9	1	5	-	-	-	1	-	-	-	-	-	-	-	-
Hamstead WH		19106	14	7	-	4	-	-	-	-	-	-	-	-	-	-	-	1
Regent's Park Pancras		84927	23	17	4	1	-	-	4	-	1	-	1	-	1	1	2	1
Tottenham-court WH		29371	11	17	4	8	-	-	-	1	-	1	2	-	3	2	1	4
Gray's Inn Lane H		27603	11	12	3	2	-	-	-	-	-	1	-	-	1	1	1	2
Somers Town		39099	26	13	5	1	-	1	-	-	-	1	-	-	1	1	1	-
Camden Town W		23266	16	18	4	9	-	1	1	-	-	-	-	-	2	5	8	-
Kentish Town		44317	49	21	7	2	-	-	1	1	1	-	-	-	3	3	-	-
Islington West* WHH		75442	67	50	8	6	5	3	5	-	1	2	-	-	1	1	-	16
Islington East WH		73899	68	29	6	4	-	-	6	-	1	1	1	-	2	-	-	1
Stoke Newington		6606	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill		5483	1	2	-	1	-	-	1	-	-	-	-	-	-	-	-	-
West Hackney		24285	21	13	2	2	-	1	2	-	-	-	-	-	-	2	2	-
Hackney WH		31481	33	20	3	5	-	-	1	-	-	1	-	-	1	2	2	6
South Hackney L		15458	23	6	2	3	-	-	-	-	-	-	-	-	1	-	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	8	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-
St. Giles South WH		19483	20	10	1	2	-	1	1	-	-	-	-	-	1	-	-	3
St. Giles North		17201	12	2	1	1	-	-	-	-	-	-	-	-	1	-	-	-
Long Acre		11618	6	6	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Charing Cross WH		11071	2	11	-	3	-	-	-	-	-	-	-	-	-	-	-	10
St. Mary-le-Strand		10346	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Dances H		15207	6	8	2	3	-	-	2	-	-	-	-	-	-	1	-	8
St. George-the-Martyr H		19903	12	10	3	1	-	-	-	-	-	-	-	-	-	-	-	1
St. Andrew East Holborn W		12947	10	17	3	5	-	-	1	-	-	-	-	-	1	-	-	2
Saffron Hill		12012	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2
St. James Clerkenwell W		19152	16	10	2	2	-	1	1	-	-	-	-	-	2	-	-	9
Amwell Clerkenwell		17250	14	9	3	-	-	-	2	-	-	-	-	-	1	-	-	2
Pentonville		13079	8	4	1	-	-	-	-	-	-	-	1	-	-	1	1	-
Goswell-street		16280	12	7	1	1	-	1	-	-	-	-	-	-	1	1	-	-
Old-street		11504	7	2	1	-	-	-	-	-	-	-	-	-	1	1	-	-
City-road HL		17860	17	4	1	1	-	-	-	-	-	-	-	-	-	1	-	1
Whitecross-street		14778	8	7	4	1	-	-	-	-	-	-	-	-	-	-	2	-
Finsbury		12931	6	3	2	-	-	-	-	-	-	-	-	-	1	-	-	-
St. Botolph East London		20990	4	7	1	-	-	2	-	-	1	-	-	-	-	-	-	-
Cripplegate		19697	7	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-
St. Sepulchre WH		11750	6	10	1	-	-	-	-	-	-	-	-	-	1	2	3	9
St. Bride W		15335	4	2	-	-	-	-	-	-	-	-	-	-	1	1	-	-
Castle Baynard		7762	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9020	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking		8659	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street		11514	4	4	1	-	-	1	1	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

sc—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

[Under the Superintendence of the Astronomer Royal.]

NOTES.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 29.83 in. at the beginning of the week to 30.05 in. by 9h. P.M. on the 12th; decreased to 29.95 in. by 3h. P.M. on the 14th; increased to 30.01 in. by 9h. A.M. on the 15th; decreased to 29.71 in. by 9h. A.M. on the 17th; and increased to 29.98 in. by the end of the week.

ELECTRICITY.

DATE.	JUNE.	
SUNDAY	12	Fine; generally cloudy.
MONDAY	13	A very fine day; cloudless throughout.
TUESDAY	14	A very fine day; small amounts of cloud prevailed at times.
WEDNESDAY	15	A very fine day; light clouds were prevalent.
THURSDAY	16	Fine and partially cloudy till evening; afterwards overcast, and heavy showers of rain fell at night, accompanied by lightning and thunder.
FRIDAY	17	A thunder-storm occurred in the early morning hours; generally fine and partially cloudy throughout the remainder of the day. A shower of rain fell about 3h. 20m. P.M.
SATURDAY	18	Generally cloudy till the afternoon, fewer clouds prevailed afterwards. A slight shower of rain fell for a short time about 3h. P.M.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 25. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, JUNE 25. [Price 1½d.

*General Register Office, Somerset House,
27th June 1870.*

DURING the week ending Saturday the 25th instant, 4957 *births* and 2912 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 21 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 21 per 1000; Portsmouth 18, Norwich 23, Bristol 20, Wolverhampton 23, Birmingham 16, Leicester 16, Nottingham 23, Liverpool 22, Manchester 23, Salford 18, Bradford 24, Leeds 24, Sheffield 20, Hull 18, Sunderland 16, and Newcastle-upon-Tyne 23. Diarrhoea caused 151 deaths in the 17 towns, as compared with 101, 60, and 55 in the three preceding weeks; this increase was principally confined to London, Liverpool, and Manchester. Scarlet fever is still very prevalent in Sheffield; it was slightly less fatal in London than during the previous week, while in Liverpool it caused fewer deaths than in any week this year.

In Edinburgh the deaths registered last week were at the annual rate of 22 per 1000 persons living, in Glasgow 26 per 1000, and in Dublin 20.

In Paris the deaths registered during the week ending last Saturday showed an annual rate of 32 per 1000 persons living. Small-pox caused 238 deaths, exactly the same number as were returned in the week preceding. In the last 25 weeks the reported deaths from this disease have numbered altogether 2972, which is equivalent to an annual death-rate of 3·3 per 1000 of the population of Paris.

In Berlin the deaths recorded during the seven days ending the 24th instant gave an annual rate of 38 per 1000, and in Vienna during the week ending 18th instant, a rate of 30 per 1000.

In the City of Bombay the deaths registered during the week ending May 24th were 261, and the mortality was at the annual rate of 17 per 1000.

In LONDON the *births* of 1075 boys and 998 girls, in all 2073 children, were registered last week. The *deaths* registered in the same time were 1282. During the corresponding weeks of ten previous years the registered births averaged 1938, and the deaths 1191 per week; after making due allowance for increase of population, the average for the past week is estimated at 2132 births and 1310 deaths; the registered births, therefore, were 59, and the deaths 28, below the estimated average.

The deaths under 5 years of age were 575, at the ages 5 to 20 years they were 124, at 20 to 40 years 173, at 40 to 60 years 188, at 60 to 80 years 184, and 38 at 80 years and upwards. Of infants in their first year 330 died, and 222 persons aged 60 years and upwards.

The mortality in the Western group of Districts was at the annual rate of 22, in the Northern group of 19, in the Central group of 25, in the Eastern group of 20, and in the Southern group of 21 per 1000 persons living.

Zymotic diseases caused 378 deaths, including 11 from small-pox, 51 from measles, 95 from scarlet fever, 4 from diphtheria, 10 from croup, 27 from whooping-cough, 7 from typhus, 21 from enteric (or typhoid) fever, 5 from simple continued fever, 1 from relapsing fever, 5 from erysipelas, 86 from diarrhoea, and 2 from simple cholera thus returned:

ST. GEORGE-IN-THE-EAST; *St. Mary*.—At 7 Providence-street, on 24th June, the son of a tailor, aged 3 years, “English cholera,” (15 hours).

ST. OLAVE SOUTHWARK; *St. James*.—At 22 Earl-road, on 25th June, the wife of a bricklayer, aged 75 years, “English or summer cholera,” (1 day).

The weekly deaths from diarrhoea have risen in the last five weeks from 13 to 22, 34, 56, and 86.

Forty-two deaths resulted from violence : of these 34 were accidental, including 15 by fractures, 2 by burns or scalds, 4 by drowning, and 7 (infants) by suffocation. Seven suicides were registered. The deaths of two boys, aged respectively 2 and 3 years, were caused by sunstroke.

Four fatal accidents caused by horses or vehicles in the streets were returned last week : a boy, aged 5 years, died on 17th June at Battersea, run over by a van when attempting to climb into it ; a female, aged 35 years, died on 18th June at the London Hospital, of injuries caused by being thrown out of a cart accidentally ; a law stationer's clerk, aged 40 years, died on 20th June at the London Hospital, of "fractured thigh, falling from an omnibus while getting down ;" a boy, aged 10 years, died on 21st June at Guy's Hospital, "run over by a cart at Horsleydown."

In the Public Institutions of the Metropolis 172 deaths were registered ; of these 83 occurred in Workhouses, 71 in General Hospitals, 13 in Hospitals for special diseases, 1 (woman) in Lying-in Hospitals, 3 in Military and Naval Hospitals, and 1 in Lunatic Asylums.

Returns furnished to the Registrar General by the London Water Companies show that the average daily supply of water for all purposes to the London population during the month of May was 107,540,811 gallons, of which it is estimated the supply for domestic purposes amounted to about 88,381,700 gallons, or 26 gallons per day per head of population.

Professor Frankland, in his report on the quality of the London water supply in the month of June, states that the waters of all the Companies were clear and transparent when drawn from the mains. To the very thorough filtration practised by the West Middlesex and Grand Junction Companies is attributed in great measure the fact that the waters delivered by them contained smaller proportions of organic matters than the waters of any of the other Companies drawing from the Thames. Dr. Frankland remarks that the organic matters in water are still more thoroughly oxidized and destroyed by filtration through a great thickness of chalk, hence the small proportion contained in the deep chalk well-water delivered by the Kent Company. The effect of submitting the Grand Junction Company's water to the process of the late Dr. Clark for softening hard water was to reduce the total solid impurity from 24 to $9\frac{1}{4}$ parts in 100,000, and the hardness from 18·8 parts to 3·8 parts. Why should not the London waters be softened and deprived of nearly all their impurities by Clark's simple process ?

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow :—Mean reading of the *barometer* 30·017 in. ; the highest was 30·19 in. on Tuesday, and the lowest was 29·77 in. on Friday. The mean temperature of the *air* was 63°·8, or 3°·4 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 90°·2 on Wednesday ; the lowest night temperature was 47°·7 on Saturday ; the entire range of temperature in the week was, therefore, 42°·5. The highest temperature in the sun was 157°·4 on Wednesday. The mean temperature was above the average, 7°·3 on Sunday, 7°·7 on Monday, 8°·9 on Tuesday, and 12°·6 on Wednesday ; on Thursday there was a defect of 0°·3, on Friday of 6°·6, and on Saturday of 5°·6. Wednesday was the hottest day of the year. The difference between the mean *dew-point* temperature and *air* temperature was 11°·7. The mean degree of *humidity* of the air was 66, complete saturation being represented by 100. *Rain* fell on one day (Friday) in the week to the amount of 0·12 in. The general direction of the *wind* was variable ; and the horizontal movement of the air amounted to 9·8 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns, ranged from 57°·8 in Hull to 62°·6 in Nottingham ; the lowest recorded night temperature was 43°·0 in Hull, and the highest day temperature in the shade was 86°·5 in Leicester and Nottingham. *Rain* fell in all the towns except Portsmouth ; the smallest quantity measured was ·03 in. at Bristol ; the largest ·73 in. at Norwich.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 17°·7 ; the highest day temperature in the shade was 32°·3 ; the lowest night temperature was 8°·7 ; the highest temperature in the sun was 69°·7.

The mean temperature of the week on an average of 50 years was $15^{\circ}8$, or $1^{\circ}9$ below the temperature of last week. The wind blew at the rate of $15\cdot7$ kilometers an hour, and the rain-fall was $0\cdot30$ centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 170,934 cubic metres, and at Barking 152,808 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of MAY 1870: thus, according to their account, 107,540,811 gallons or 488,607 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or $102\cdot2$ decalitres, rather more than a *ton* by weight, to each house, and $14\cdot4$ decalitres (= $31\cdot7$ gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of May 1870, it may be estimated that about 88,381,700 gallons were probably used for domestic purposes, or about 26 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	APRIL 1870.	MAY 1870.	APRIL 1870.	MAY 1870.
TOTAL SUPPLY . . .	478,049	478,308	161,500,943	107,540,811
From Thames	220,458	220,691	53,067,448	55,036,397
From Lea and from other Sources . . .	257,591	257,617	48,443,495	52,514,414
THAMES.				
Chelsea	27,486	27,486	8,284,300	8,279,700
West Middlesex	40,535	40,607	8,720,469	9,206,632
Southwark and Vauxhall	76,984	77,037	15,333,640	15,594,697
Grand Junction	30,929	30,929	10,705,339	11,260,568
Lambeth	44,524	44,632	10,013,700	10,094,800
LEA AND OTHER SOURCES.				
New River	117,605	117,631	22,205,000	24,267,000
East London	100,660	100,660	19,001,000	20,257,000
Kent	39,326	39,326	7,237,495	7,990,414

Note.—The Return for May as compared with that for April shows an increase of 259 houses, and an increase of 6,039,868 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATERS FOR JUNE.

Royal College of Chemistry,

25th June, 1870:

SIR,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of June. For the purpose of comparison I append also the results yielded by the waters supplied to Birmingham, Manchester, Reading, and Leamington, and by Thames water taken at Battersea Bridge at low and high-water on the 1st March.

All the waters delivered in London were clear and transparent when drawn from the companies' mains. Dr. Hill reports to the Mayor and Corporation of Birmingham that the water delivered in that town, though tolerably clear, contained fine suspended particles.

By being submitted to the late Dr. Clark's very simple process of softening, the total solid impurity in the Grand Junction Company's water was reduced from 24 to $9\frac{1}{4}$ parts in 100,000, and the hardness from $18\cdot8$ parts to $3\cdot8$ parts in 100,000.

By long standing in storage reservoirs the East London Company's water had nearly lost all evidence of previous sewage or animal contamination.

Of the waters drawn from the Thames those delivered by the West Middlesex and Grand Junction Companies contained the smallest proportion of organic

elements. This is doubtless due, in a great measure, to the very thorough filtration practised by these companies. By filtration through a great thickness of chalk a still more thorough oxidation and destruction of the organic matters in water is effected, and consequently the proportion of organic elements contained in the deep chalk well-water delivered by the Kent Company is still smaller.

The Registrar General, &c., &c.

I have, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 1st June, Cab Rank, Horse Guards }	16°1	23·76	·156	·021	·000	·123	·144	910	1·68	18·34
West Middlesex* -	{ 1st June, Cab Rank, Portland-road }	17°2	23·64	·128	·019	·000	·125	·144	930	1·65	18·60
	{ 16th June, " " " }	20°8	23·00	·128	·025	·000	·107	·132	750	1·62	17·43
Southwark and Vauxhall - - -	{ 1st June, Cab Rank, St. George's Church, Borough }	16°4	23·68	·164	·021	·000	·109	·130	770	1·65	18·08
Grand Junction -	{ 1st June, Cab Rank, Woodstock-st. }	16°1	23·98	·144	·018	·000	·123	·141	910	1·65	18·84
Ditto, softened by Clark's process	{ 19th June, 14, Lancaster Gate, Hyde Park }	—	9·26	—	—	—	—	—	—	—	3·80
Lambeth - - -	{ 1st June, Cab Rank, Lambeth-road }	15°3	25·20	·163	·024	·000	·132	·156	1000	1·65	20·40
OTHER SOURCES.											
New River - - -	{ 1st June, Cab Rank, Tottenham- court-road }	17°2	21·98	·083	·023	·000	·108	·131	760	1·53	17·82
East London - - -	{ 2d June, Slater's Lamp Black Works, Old Ford-road }	17°2	22·38	·113	·026	·000	·047	·073	150	1·75	16·52
Kent - - - - -	{ 2d June, Deptfd. Bdge. Police Stat. }	13°6	38·96	·027	·017	·000	·410	·427	8780	2·35	28·32
Thames water, fil- tered - - - - -	{ 1st Mar. 1870, Battersea Bdge. }	—	30·64	·451	·060	·024	·493	·573	4810	1·75	25·85
	{ at low water mid-stream }	—	32·20	·476	·048	·075	·364	·469	3940	2·05	25·02
Birmingham† - -	{ 4th June 1870, Birmingham Water Supply }	—	18·96	·262	·039	·002	·214	·255	1843	1·77	13·28
Manchester - - -	{ 29th January 1870 Manchester Water Supply }	—	5·74	·070	·007	·001	·000	·008	0	·80	2·48
Reading - - - - -	{ 18th March 1870, Reading Water Supply }	—	25·90	·205	·017	·001	·137	·155	1060	1·25	22·84
Leamington - - -	{ 12th May 1870, Leamington Water Supply }	—	68·92	·180	·035	·000	·191	·226	1590	2·30	27·50
	{ 12th May 1870, Mr. Jones' Well-water }	—	134·04	·095	·025	·000	6·086	6·111	60540	14·20	63·95
Column 1	2	3	4	5	6	7	8	9	10	11	12

* In my report for May, the water analysed before and after filtration through animal charcoal was by mistake assigned to the West Middlesex instead of the Grand Junction Company. I have therefore analysed two samples of the West Middlesex Company's water during the present month, in order that the annual series of 12 may be complete.

† Analysed by Dr. Alfred Hill, of Sydenham College, Birmingham.

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 1st of June at the Horse Guard's cab-rank had a temperature of 16·1°C.; 100,000 lbs. of it contained 23·76 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·156 lb. of carbon and ·021 lb. of nitrogen. This solid impurity also contained ·123 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·144 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 910 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage or animal contamination had been, so far as analysis can show, converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·68 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 18·34 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTY-FIFTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1683	1749	1913	1879	1897	1949	1943	2234	2025	2100	1937·7	2073
Males . .	837	882	942	933	973	1022	997	1142	1024	1060	983·7	1075
Females .	851	867	971	941	924	927	946	1092	1001	1020	954·0	998
TOTAL Deaths	965	1077	1104	1191	1262	1359	1295	1052	1223	1381	1191·4	1282
Males . .	522	561	575	619	661	705	638	531	656	698	621·6	681
Females .	443	516	529	572	601	654	657	521	572	683	569·8	601

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Apr. 2.	Apr. 9.	Apr. 16.	Apr. 23.	Apr. 30.	May 7.	May 14.	May 21.	May 28.	June 4.	June 11.	June 18.	June 25.
TOTAL Deaths - - -	1625	1631	1475	1487	1394	1314	1426	1313	1239	1292	1273	1292	1282
Deaths under 5 years of age -	665	626	591	611	538	515	539	544	515	482	542	544	575
Deaths 5-20 - - -	120	111	86	110	109	95	112	119	95	125	105	112	124
Deaths 20-40 - - -	214	213	196	208	220	199	215	195	193	206	208	177	173
Deaths 40-60 - - -	231	292	261	252	238	242	230	199	206	205	201	209	188
Deaths 60-80 - - -	269	311	280	254	234	219	238	208	196	176	186	208	184
Deaths at 80 years & upwards	76	78	61	52	55	44	42	48	34	38	31	42	38
Deaths from Smallpox - -	8	8	2	10	3	9	6	19	11	12	8	7	11
" " Measles - - -	30	34	23	32	32	49	42	36	31	34	53	36	51
" " Scarlet Fever - -	78	71	70	77	68	74	76	81	90	91	103	100	95
" " Diphtheria - - -	2	3	9	3	6	1	3	5	3	7	4	7	4
" " Whooping-cough -	68	61	55	51	61	33	43	35	28	24	33	25	27
" " Typhus fever - -	6	6	6	10	13	8	7	7	8	3	4	16	7
" " Enteric (or Typhoid) fever -	11	18	16	18	15	11	15	14	13	17	8	16	21
" " Simple Cont'd fever -	12	14	8	10	11	12	11	12	11	14	14	15	6
" " Diarrhoea - - -	13	16	18	17	12	14	14	17	13	22	34	56	86
" " Phthisis - - -	202	198	207	173	193	188	200	165	179	173	181	161	145
" " Bronchitis - - -	231	259	196	176	133	123	136	116	98	85	75	80	61
" " Pneumonia - - -	107	107	66	91	86	67	59	65	57	57	61	50	48
" " Heart Disease - -	76	69	65	78	64	51	70	59	52	70	43	60	57
Mean Temperature of the Air	37·2	45·5	50·1	55·0	47·7	45·6	49·3	59·8	56·6	58·1	58·0	64·6	63·8
Mean Temperature of the Water of the Thames -	39·4	43·4	45·3	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - - -	80	71	71	61	76	76	83	69	69	77	68	68	66
Rain-fall in inches - - -	0·00	0·07	0·07	0·00	0·13	0·02	0·37	0·04	0·00	0·16	0·00	0·15	0·12

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer, of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 25th day of June 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Popu- lation in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 25th June.	DEATHS registered during the Week ending 25th June.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPER- ATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	1 Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	4957	2912	90·2	37·5	60·5	15·83	0·24	0
LONDON - - -	77,997	3,214,707	41·2	2073	1282	90·2	47·7	63·8	17·67	0·12	0
PORTSMOUTH - -	9,513	122,084	12·8	95	42	84·0	45·7	62·5	16·94	0·00	0
NORWICH - - -	7,472	81,087	10·9	51	35	86·4	47·0	61·1	16·17	0·73	1
BRISTOL - - -	4,688	171,382	36·6	112	66	80·7	44·5	59·4	15·22	0·03	0
WOLVERHAMPTON -	3,387	72,900	21·5	58	32	83·3	45·5	61·5	16·39	0·23	0
BIRMINGHAM - -	7,881	369,604	47·2	209	115	82·0	47·9	62·5	16·94	0·16	0
LEICESTER - - -	3,200	97,427	30·4	69	29	86·5	46·0	62·4	16·89	0·12	0
NOTTINGHAM - -	1,996	88,888	44·5	40	40	86·5	44·9	62·6	17·00	0·25	0
LIVERPOOL - - -	5,108	517,567	101·3	391	216	76·8	49·8	59·4	15·22	0·27	0
MANCHESTER - -	4,486	374,993	83·6	269	162	82·0	47·5	61·3	16·28	0·23	0
SALFORD - - -	5,172	121,580	23·5	105	42	78·7	46·7	58·8	14·89	0·27	0
BRADFORD - - -	6,590	143,197	21·7	138	65	77·8	47·3	61·1	16·17	0·39	0
LEEDS - - -	21,572	259,527	12·0	235	119	80·0	48·0	62·3	16·83	0·35	0
SHEFFIELD - - -	22,880	247,878	10·8	170	94	79·5	47·0	61·0	16·11	0·18	0
HULL - - -	3,562	130,869	36·7	72	44	80·0	43·0	57·8	14·33	0·34	0
SUNDERLAND - -	3,306	100,979	30·5	52	31	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	69	59	—	—	—	—	—	—
EDINBURGH - - -	4,427	178,979	40·4	148	76	74·7	46·0	58·3	14·61	0·40	1
GLASGOW - - -	5,063	468,180	92·5	407	237	68·8	45·2	55·5	13·05	0·16	0
DUBLIN - - -	9,745	321,540	33·0	194	126	76·9	37·5	57·6	14·22	0·00	0
PARIS - - -	7,802	1,889,842	242	—	1140	—	—	—	—	—	—
				Week ending 18 June 1870.	Week ending 18 June 1870.	Week ending 18th June 1870.					
VIENNA - - -	3,728*	622,087	167	—	362	—	—	68·0	20·00	—	—
				Week ending 23 June 1870.	Week ending 23 June 1870.	Week ending 23d June 1870.					
BERLIN - - -	6,253	800,000	128	545	580	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 25th day of June 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include										
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhœa.	Violence.	Inquest Cases.
LONDON - - -	21	1282	330	222	11	51	95	4	27	34	86	42	66
PORTSMOUTH - -	18	42	9	9	—	—	—	—	—	3	—	1	2
NORWICH - - -	23	35	9	6	—	—	—	2	—	—	—	—	—
BRISTOL - - -	20	66	16	13	—	2	9	—	4	2	2	3	3
WOLVERHAMPTON -	23	32	11	6	—	—	—	—	2	1	—	—	—
BIRMINGHAM - -	16	115	34	24	—	2	3	—	1	6	7	6	17
LEICESTER - - -	16	29	9	6	—	1	—	—	—	1	4	1	2
NOTTINGHAM - -	23	40	8	9	—	—	1	—	—	—	—	3	5
LIVERPOOL - - -	22	216	61	48	—	4	6	1	6	7	18	8	11
MANCHESTER - -	23	162	53	26	3	2	2	—	5	5	17	4	6
SALFORD - - -	18	42	14	7	1	—	—	—	—	3	3	1	1
BRADFORD - - -	24	65	19	14	—	3	—	—	3	—	2	1	—
LEEDS - - -	24	119	44	24	—	1	6	—	4	3	3	3	6
SHEFFIELD - - -	20	94	16	11	—	—	14	—	3	4	3	3	7
HULL - - -	18	44	13	9	—	—	6	—	—	2	4	—	—
SUNDERLAND - -	16	31	7	5	—	—	—	—	—	1	—	—	—
NEWCASTLE-ON-TYNE	23	59	16	11	—	—	2	—	—	—	2	—	3
DUBLIN - - -	20	126	23	25	—	1	6	—	1	4	3	6	7

TABLE 5.—DEATHS in LONDON Registered in the TWENTY-FIFTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Twenty-fifth Week in the 10 years 1860-69.	In the Week ending Saturday, June 25, 1870.							CAUSES OF DEATH.		Averages of the Twenty-fifth Week in the 10 years 1860-69.	In the Week ending Saturday, June 25, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.		40 and under 60.	60 and under 80.	80 Years and upwards.					ALL AGES.	Under 20.		40 and under 60.	60 and under 80.	80 Years and upwards.	
				Mean Tem.	0-5.									5-20.	Mean Tem.					0-5.	5-20.
Mean Temperature	-	58°6	63°8	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	-	58°6	63°8	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES	-	1191·4	1282	575	124	173	188	184	38	9. Stricture of Intestines	-	·3	-	-	-	-	-	-	-
SPECIFIED CAUSES	-	1176·3	1280	575	123	173	188	183	38	10. Fistula	-	·2	-	-	-	-	-	-	-
ZYMOVIC DISEASES.										11. Stomach Disease, &c.	-	5·1	5	2	-	1	-	1	1
ORDER 1.										12. Pancreas Disease, &c.	-	-	-	-	-	-	-	-	-
Small-pox	-	17·7	11	5	2	3	1	-	-	13. Hepatitis	-	3·6	6	-	-	1	2	3	-
Measles	-	42·2	51	48	3	-	-	-	-	14. Jaundice	-	·6	6	4	-	1	1	1	-
Scarlet Fever (Scarlatina)	-	43·2	95	59	33	3	-	-	-	15. Liver Disease, &c.	-	16·4	16	1	-	3	5	6	1
Diphtheria	-	10·7	4	3	1	-	-	-	-	16. Spleen Disease, &c.	-	·5	-	-	-	-	-	-	-
Quincy	-	·7	1	1	-	-	-	-	-	ORDER 5.									
Croup	-	11·4	10	10	-	-	-	-	-	1. Nephritis	-	·9	1	-	1	-	-	-	-
Whooping-cough	-	46·8	27	26	5	1	1	-	-	2. Ischuria	-	·4	1	-	-	-	-	-	-
Typhus	-	·7	7	-	-	1	1	-	-	3. Bright's Disease (Nephria)	-	8·0	12	-	-	3	7	2	1
Enteric or Typhoid Fever	-	42·7	21	2	11	4	3	1	-	4. Diabetes	-	2·1	-	-	-	-	-	-	-
Simple continued Fever	-	·5	6	2	3	-	-	1	-	5. Calculus (Stone)	-	·4	2	-	-	-	-	1	1
Erysipelas	-	2·7	3	-	-	3	1	1	-	6. Cystitis	-	1·1	3	-	-	1	2	-	-
Puerperal Fever (Metria)	-	·6	2	-	-	1	-	1	-	7. Kidney Disease, &c.	-	7·1	4	-	-	2	2	-	-
Carbuncle	-	·1	2	-	-	-	-	-	-	ORDER 6.									
Influenza	-	·6	2	-	-	-	-	-	-	1. Ovarian Dropsy	-	1·1	2	-	-	1	1	-	-
Dysentery	-	2·8	2	-	-	2	-	-	-	2. Uterus Disease, &c.	-	3·8	2	-	-	1	1	-	-
Diarrhoea	-	49·5	88	77	2	-	2	4	1	ORDER 7.									
Simple Cholera	-	2·5	2	1	-	-	-	1	-	1. Synovitis (Arthritis)	-	·1	-	-	-	-	-	-	-
Ague	-	·5	1	-	-	-	-	-	-	2. Joint Disease, &c.	-	4·5	2	-	-	-	1	1	-
Remittent Fever	-	1·6	-	-	-	-	-	-	-	ORDER 8.									
Rheumatism	-	7·5	12	-	3	7	1	1	-	1. Phlegmon	-	1·6	7	2	1	2	2	-	-
Other Zymotic Diseases	-	·5	-	-	-	-	-	-	-	2. Ulcer	-	1·1	-	-	-	-	-	-	-
ORDER 2.										3. Skin Disease, &c.	-	1·5	-	-	-	-	-	-	-
Syphilis	-	6·3	12	12	-	-	-	-	-	IV. DEVELOPMENTAL DISEASES.									
Stricture of Urethra	-	1·3	-	-	-	-	-	-	-	ORDER 1.									
Hydrophobia	-	-	-	-	-	-	-	-	-	1. Premature Birth	-	18·2	14	14	-	-	-	-	-
Glands	-	·3	-	-	-	-	-	-	-	2. Cyanosis	-	·2	1	-	-	-	-	-	-
ORDER 3.										3. Spina Bifida	-	·8	2	2	-	-	-	-	-
Privation	-	·1	-	-	-	-	-	-	-	4. Other Malformations	-	1·6	2	2	-	-	-	-	-
Want of Breast-milk	-	8·3	8	8	-	-	-	-	-	5. Teething	-	12·6	18	18	-	-	-	-	-
Purpura and Scurvy	-	2·1	5	3	2	-	-	-	-	ORDER 2.									
Alco- | a Del. Tremens	-	2·0	4	-	-	2	2	-	-	1. Paramecia	-	·4	-	-	-	-	-	-	-
Colism | & Intemperance	-	1·7	1	-	-	1	1	-	-	2. Childbirth (see Puerperal Fever)	-	5·6	5	-	-	5	-	-	-
ORDER 4.										ORDER 3.									
Thrush	-	2·7	2	2	-	-	-	-	-	1. Old Age	-	41·7	43	-	-	-	-	21	22
Worms, &c.	-	·2	-	-	-	-	-	-	-	ORDER 4.									
CONSTITUTIONAL DIS.										1. Atrophy and Debility	-	54·0	68	59	-	1	2	6	-
ORDER 1.										V. VIOLENT DEATHS, &c.									
Gout	-	1·3	4	-	-	-	2	2	-	ORDER 1.									
Dropsy	-	12·3	9	1	1	1	1	4	1	(ACCIDENT OR NEGLIGENCE.)									
Cancer	-	27·5	40	1	-	2	20	17	-	1. Fractures and Contusions	-	12·4	15	1	3	9	7	1	1
Cancerum Oris (Noma)	-	·1	-	-	-	-	-	-	-	2. Wounds	-	·3	2	1	-	1	-	-	-
Morification	-	2·1	4	1	-	-	2	1	-	3. Burns and Scalds	-	4·3	2	1	-	1	-	-	-
ORDER 2.										4. Poison	-	1·3	2	-	-	1	1	-	-
Scrofula	-	7·6	12	7	4	1	-	-	-	5. Drowning	-	6·6	4	4	-	-	-	-	-
Tabes Mesenterica	-	20·0	17	16	-	-	-	-	-	6. Suffocation	-	5·6	7	7	-	-	-	-	-
Phthisis	-	161·5	146	8	10	78	43	6	-	7. Otherwise	-	2·8	2	2	-	-	-	-	-
Hydrocephalus	-	28·5	27	23	4	-	-	-	-	ORDER 3.									
LOCAL DISEASES.										(HOMICIDE.)									
ORDER 1.										ORDER 4.									
Cephalitis	-	13·7	20	13	4	1	1	1	-	(SUICIDE.)									
Apoplexy	-	30·3	32	5	2	3	9	12	1	1. Wounds { Gunshot	-	·4	-	-	-	1	1	-	-
Paralysis	-	24·2	24	-	-	-	6	14	4	2. Poison	-	1·5	2	-	-	1	1	-	-
Insanity	-	2·1	-	-	-	-	-	-	-	3. Drowning	-	·8	3	-	-	1	1	-	-
Chorea	-	-	1	-	1	-	-	-	-	4. Hanging	-	1·5	-	-	-	-	-	-	-
Epilepsy	-	7·1	10	2	2	3	1	2	-	5. Otherwise	-	·5	2	-	-	1	-	1	-
Convulsions	-	39·9	45	45	-	-	-	-	-	ORDER 5.									
Brain Disease, &c.	-	17·2	15	2	2	2	5	4	-	(EXECUTION.)									
ORDER 2.										1. Hanging	-	-	-	-	-	-	-	-	-
Pericarditis	-	1·6	1	-	-	1	-	-	-	Violent Deaths (not classed)	-	·2	-	-	-	-	-	-	-
Aneurism	-	2·1	3	-	-	1	1	1	-	Sudden Deaths (Cause un- ascertained)	-	2·8	-	-	-	-	-	-	-
Heart Disease, &c.	-	57·3	57	2	8	9	17	21	-	Causes not specified or ill- defined	-	12·3	2	-	1	-	-	1	-
ORDER 3.																			
Laryngitis	-	4·2	7	5	1	-	1	-	-										
Bronchitis	-	70·5	61	20	1	3	14	21	2										
Pleurisy	-	3·1	3	-	-	1	-	2	-										
Pneumonia	-	48·8	48	26	3	4	10	4	1										
Asthma	-	5·6	4	-	-	1	1	2	-										
Lung Disease, &c.	-	7·7	12	7	2	1	2	-	-										
ORDER 4.																			
Gastritis	-	1·7	3	1	-	2	-	-	-										
Enteritis	-	5·3	6	5	-	1	-	-	-										
Peritonitis	-	4·2	8	1	1	4	1	1	-										
Ascites	-	1·4	4	-	-	-	3	1	-										
Ulceration of Intestines	-	3·0	1	-	-	-	-	1	-										
Hernia	-	2·7	6	1	-	1	1	3	-										
Reus	-	2·8	9	3	1	1	1	3	-										
Intussusception	-	·9	1	1	-	-	-	-	-										

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
LONDON	2,803,989	2073	1282	330	222	11	51	95	4	27	7	21	6	86	42	66	172	
WEST DISTRICTS	458,125	321	225	54	34	3	8	21	1	5	1	6	-	19	9	11	31	
NORTH DISTRICTS	618,210	444	272	72	54	3	15	25	2	5	3	7	2	20	8	17	39	
CENTRAL DISTRICTS	383,321	217	174	46	25	1	12	12	-	2	-	3	-	11	6	11	34	
EAST DISTRICTS	571,158	459	235	71	38	2	6	8	-	4	2	1	2	17	9	16	31	
SOUTH DISTRICTS	773,175	632	376	87	71	2	10	29	1	11	1	4	2	19	10	11	37	
WEST DISTRICTS.																		
St. Mary Paddington WH	39015	32	21	4	6	-	-	1	-	1	-	-	-	3	1	-	2	
St. John Paddington H	36769	7	15	1	4	-	1	-	-	-	-	-	-	-	-	3	6	
Kensington Town W	51910	68	40	8	10	2	3	1	-	-	-	1	-	5	2	2	2	
Brompton H	18198	10	8	1	-	-	-	-	-	-	-	1	-	-	-	-	3	
St. Peter Hammersmith	5415	6	1	-	-	-	-	-	-	-	-	-	-	2	-	-	2	
St. Paul Hammersmith H	19104	24	11	-	1	-	1	2	-	-	-	1	-	-	-	-	-	
Fulham W	15539	13	11	5	2	-	-	1	-	-	-	-	-	-	-	-	2	
Chelsea South H	21654	16	5	3	-	-	1	-	-	1	-	-	-	1	-	-	-	
Chelsea North-west HW	19899	11	10	2	-	-	3	1	-	-	-	-	-	-	-	-	1	
Chelsea North-east	21886	13	6	-	1	-	-	4	-	-	-	-	-	-	-	-	-	
Hanover Square	19773	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W	12885	6	8	2	-	-	1	-	-	-	-	-	-	-	-	-	1	
Belgrave H	55113	28	28	9	3	-	-	4	-	-	-	3	-	3	3	4	7	
St. John Westminster H	37483	24	18	5	1	-	2	-	-	2	1	-	-	-	1	1	-	
St. Margaret Westminster WH	30730	27	19	10	1	-	-	1	1	-	-	-	-	3	-	1	6	
St. James's Square	10753	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W	13966	6	6	1	1	-	-	-	-	1	-	-	-	-	-	-	1	
Berwick-street	10607	4	5	2	1	-	-	2	-	-	-	-	-	1	-	-	-	
St. Anne Soho	17426	14	8	1	1	-	-	1	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																		
All Souls Marylebone H	29952	13	15	2	4	-	-	1	-	-	-	-	-	-	-	-	7	
Cavendish Square	15490	6	5	2	-	-	-	1	-	-	-	-	-	2	-	-	-	
Rectory Marylebone W	28692	18	16	7	7	-	-	-	-	1	-	-	-	1	1	2	9	
St. Mary Marylebone H	22493	17	15	3	4	-	4	1	-	1	-	-	-	1	-	-	-	
Christchurch Marylebone	34913	16	13	7	-	-	1	-	-	-	-	1	-	3	-	-	-	
St. John Marylebone	32540	19	12	7	2	-	-	-	-	-	-	1	-	3	-	-	-	
Hampstead WH	19106	11	7	1	2	-	-	1	-	-	-	-	-	-	1	1	1	
Regent's Park Pancras	34927	23	9	2	3	-	1	2	-	-	-	1	-	-	-	-	-	
Tottenham-court WH	23971	14	11	3	2	-	-	3	-	-	-	-	-	-	-	-	4	
Gray's Inn Lane H	27808	17	12	1	1	-	2	-	-	1	1	-	-	1	-	2	1	
Somers Town	39099	21	10	3	-	-	-	-	-	-	-	-	-	1	1	2	-	
Camden Town W	23266	15	7	4	2	-	-	-	-	-	-	-	-	-	-	-	-	
Kentish Town	44317	32	20	4	4	-	1	2	1	1	-	-	-	2	-	1	5	
Islington West* WHH	75442	75	44	11	8	2	2	4	-	1	2	2	1	1	2	4	11	
Islington East WH	79899	79	50	13	6	1	5	7	1	1	2	1	1	3	3	5	-	
Stoke Newington	6678	8	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill	5483	-	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-	
West Hackney	24265	10	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	
Hackney WH	31481	36	11	-	6	-	-	-	-	-	-	-	-	-	-	-	-	
South Hackney L	15453	19	9	1	3	-	-	1	-	-	-	-	-	1	-	-	-	
CENTRAL DISTRICTS.																		
St. George Bloomsbury	17392	9	3	2	-	-	1	1	-	-	-	-	-	-	-	-	-	
St. Giles South WH	19483	19	20	7	3	-	-	-	-	-	-	-	-	3	1	1	7	
St. Giles North	17201	12	9	6	-	-	-	-	-	-	-	-	-	1	1	-	-	
Long Acre	11618	6	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH	11071	3	7	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand	10346	4	9	-	2	-	2	-	-	-	-	-	-	-	1	2	-	
St. Clement Danes H	15207	10	11	3	-	-	1	-	-	-	-	-	-	-	-	1	4	
St. George-the-Martyr H	19903	10	16	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
St. Andrew East Holborn W	12947	11	7	2	1	-	-	-	-	-	-	-	-	-	-	-	10	
Saffron Hill	18012	2	6	1	1	-	1	1	-	-	-	1	-	1	-	-	3	
St. James Clerkenwell W	19152	15	7	2	2	-	1	-	-	-	-	-	-	-	1	1	1	
Amwell Clerkenwell	17250	10	8	2	-	-	1	6	-	-	-	-	-	-	-	-	-	
Pentonville	13079	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street	16200	15	8	2	-	-	2	-	-	-	-	-	-	2	-	-	-	
Old-street	11304	13	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
City-road HL	17860	22	7	2	1	-	-	-	-	1	-	-	-	-	1	1	2	
Whitcross-street	14778	8	9	2	1	2	-	-	-	1	-	-	-	-	-	3	-	
Finsbury	12931	2	2	1	1	-	-	-	-	-	-	1	-	2	-	-	-	
St. Botolph East London	20990	12	7	5	1	-	-	-	-	-	-	-	-	1	-	-	-	
Cripplegate	19697	7	6	1	2	-	-	1	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH	11750	4	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Bride W	15395	4	4	1	1	-	-	-	-	-	-	-	-	-	-	-	7	
Castle Baynard	7762	1	3	-	1	-	-	-	-	-	-	2	-	-	-	-	-	
Christchurch	9020	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe	8570	2	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	
Allhallows Barking	8659	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street	11544	4	4	-	3	-	-	-	-	2	-	-	-	-	1	1	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 25th June 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																		
Holywell Shoreditch		17313	12	9	4	2		1								1		
St. Leonard Shoreditch	L†	19188	6	4	1									1				
Hoxton New Town	to	26516	26	15	5	3										2		3
Hoxton Old Town		23777	17	5		1										1		
Jaggerstone West	W	23260	16	11	4	1				3						2		1
Jaggerstone East		17310	24	8	3											1		
Jackney-road		26298	30	13	6	3						1				2		
Green, Bethnal Green	WHL†	31789	29	9	2	2						1						
Church, Bethnal Green		25328	16	6	2	2												
Town, Bethnal Green		21436	21	4	2													
Artillery Whitechapel		6557	4	2	1			1										
Spitalfields		15700	13	4	1													
Mile End New Town	W	15392	12	12	4	4		1										
Whitechapel North		12122	10	5		3												
Whitechapel Church	H	8062	2	15	1	1												
Goodman's Fields		11166	10	2	2											1	4	5
Alldgate		9971	5	5						1		1						
St. Mary St. George East		18181	14	10	3	2		1										
St. Paul St. George East		21015	12	9	4											2	1	
St. John St. George East	W	9695	5	8	2	3	1								1			3
Shadwell W		12537	12	3	1													
Ratcliff WH		16874	3	5	1												1	
Limchouse W		27161	11	12	3	4												1
Mile End Old Town West		33747	27	12	4	2										1	2	3
Mile End Old Town East	Wsq	39317	37	9		3				1							3	1
Low Wwl†		33667	53	23	9	4		2	2			1				1	2	2
Poplar W		43329	32	14	6		1		2			2				1	3	4
SOUTH DISTRICTS.																		
Whitechurch Southwark	W	17069	12	5	3	1										1		
St. Saviour Southwark	H	19101	11	8	2	1	1											
Cent-road		19652	10	11	3	1			2								1	
Borough-road W		16668	12	9	2	1		1								2		
London-road L		19190	9	6	4													3
Trinity Newington		22675	12	11	3	3												
St. Peter Walworth	W	44463	67	17	6	3												
St. Mary Newington	H	15082	16	13	1	1			2							1	3	3
St. Olave Southwark	H	7663	4	8		2												5
St. John Horsleydown	W	11383	4	2		1											1	8
Leather Market		16696	17	8	3	1	1											2
St. Mary Magdalen	W	16505	7	6	1	3										2		
St. James Bermondsey		25154	33	11	3	1						1						1
Otherhithe W		24502	12	6	1	2		1	1							1		
Waterloo-road 1st		15269	14	5	1	1												
Waterloo-road 2nd	H	18640	24	8	5				2		1							
Lambeth Church 1st		19839	11	8	2	1										1		
Lambeth Church 2nd	W	29542	27	15	6	5						1				2		
Kennington 1st		39735	27	12	1	1												6
Kennington 2nd		29440	18	14	2	2												
Rixton		20467	19	8	2	1										1		
Orwood W		7462	8	5	1	3				1	1							
apham		20894	17	12	3	3												
attersea W		19900	37	16	2	3												
andsworth L		13346	6	7	3					3							1	
utney		6481	4	2	1	1												
reatham		10082	5	3														
ulwich		1723	1	1		1												
lamberwell WL†L†		21297	25	12	4	1										1		
ockham W		28135	17	12	3	6												
George Camberwell		20333	28	16	2	4		2	1		1					3		
Paul Deptford		37584	28	25	4	3			3	3		1		1				
Nicholas Deptford		8139	4	4													3	
Greenwich West	H	21696	9	9	2	1											1	
Greenwich East	WH	18306	8	19	3	5			1	4			1	1		1		6
atham		3009	2	3	1	1												
isham Village W		11003	7	5	1	1												
denham		7372	7	4		1											1	
		10595	10	2	1													3
arlton H		9276	4	4	2	1												
olwich Dockyard H		22919	6	3		1												
olwich Arsenal H		18776	12	11	1	2												
umstead, West		8	6	2														
umstead, East		24502	14	4														

Following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh.	is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand	Tottenham-court sub-district.	
London City	Islington East.	Mile End Old Town Eastern sub-dist. and Bow sub-district.
Do. do.	Hackney sub-district.	Stepney - I., Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7. — METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 25th JUNE, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BAROMETER.				READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.	
Phases of Moon.		Mean.	High-est.	Low-est.	Range in day.	Mean daily value.	Dew Point.	Highest in the sun, as affected by a surface.	Lowest on the Grass, as affected by a surface.	In the Water at Greenwich, by thermometers.		Between Day Point and Temperature.		Between mean temperature of the day and the average of 50 Years.*		As deduced from Anemometers.		Collected in a Gauge whose surface is 5 in. above the ground.							
										Highest.	Lowest.	Mean daily value.	Great-est.	Least.	Mean of 24 Obs.	Osler's.		Robinson's.							
																Pressure on square foot of Air each day.		Amount of Horizontal Movement of Air above the surface of each day.							
																A. M.	P. M.	Great-est.	Least.	Mean of 24 Obs.	Miles.	Inches			
JUNE.																									
SUNDAY . . 19	..	30.048	83.2	53.1	30.1	66.5	54.9	149.2	47.0	..	..	11.6	27.9	0.2	7.3	66	WSW.	WSW. & SW.	1.1	0.0	0.1	228	0.00
MONDAY . . 20	Last Quarter	30.088	81.8	54.7	27.1	67.2	56.0	141.3	47.5	..	..	11.2	28.5	1.4	7.7	67	WSW. & W.	W. & NW.	2.3	0.0	0.3	296	0.00
TUESDAY . . 21	In Equator	30.153	84.1	53.7	30.4	68.8	55.9	145.4	45.0	..	..	12.9	24.1	2.8	8.9	63	NE.	NE. & SSW.	0.1	0.0	0.0	97	0.00
WEDNESDAY 22	..	30.051	80.2	57.8	32.4	72.9	59.8	157.4	50.0	..	..	13.1	28.0	2.7	12.6	63	SW. & WSW.	SW.	0.3	0.0	0.0	140	0.00
THURSDAY. 23	Apogee	30.016	72.9	53.0	19.9	60.4	49.8	124.5	44.0	..	..	10.6	21.1	4.8	0.3	68	N. & NNE.	NNE. & SE.	1.9	0.0	0.2	246	0.00
FRIDAY . . 24	..	29.817	64.0	50.2	13.8	54.6	46.0	97.7	40.6	..	..	8.6	13.0	2.7	6.6	73	W.	WSW. & NW.	4.0	0.0	0.4	303	0.12
SATURDAY. 25	..	29.945	68.0	47.7	20.3	56.0	42.4	130.0	41.3	..	..	13.6	21.1	4.0	5.6	60	NW. & N.	NW.	2.3	0.0	0.5	344	0.00
MEANS . .	..	30.017	77.7	52.9	24.9	63.8	52.1	135.1	45.1	..	..	11.7	22.7	2.7	3.4	66	Variable.		..	..	..	Sum 1654	0.12
No. of Columns	8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		

NOTES.

SKY AND ATMOSPHERE.

ELECTRICITY.

DATE.
JUNE.

SUNDAY . . 19	A very fine day; light clouds prevailed.																
MONDAY . . 20	A fine day; partially cloudy.																
TUESDAY . . 21	Light clouds and haze prevailed. A fine day.																
WEDNESDAY 22	A very fine hot day; generally cloudy.																
THURSDAY . 23	A very fine day; partially cloudy.																
FRIDAY . . 24	Generally cloudy till evening, and rain fell frequently; fine and generally cloudless at night.																
SATURDAY . 25	Generally cloudy till evening, then cloudless. A fine day.																

The height of the cistern of the barometer is considered to be 153 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1843, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering apparatus, the probable error being as small as 1/10th of a degree. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that — is read "higher," and — "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 29.98 in. at the beginning of the week to 30.19 in. by 9h. A.M. on the 21st; decreased to 29.00 in. by 9h. P.M. on the 24th; increased to 30.04 in. by 9h. A.M. on the 23d; decreased to 29.77 in. by 9h. P.M. on the 24th; and increased to 29.97 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

~~~~~  
By Authority of the Registrar General.  
~~~~~

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 26. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, JULY 2. [Price 1½d.

*General Register Office, Somerset House,
4th July 1870.*

DURING the week ending Saturday the 2d instant, 5411 *births* and 3038 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 22 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow:—Liverpool 27 per 1000, Bradford 25, Manchester 24, Salford 21, London 22, Birmingham 16, Newcastle-upon-Tyne 20, Leeds 24, Portsmouth 11, Sheffield 21, Hull 23, Wolverhampton 16, Bristol 23, Nottingham 11, Sunderland 22, Leicester 20, Norwich 24. Diarrhoea caused 300 deaths in the 17 Towns, or just double the number returned from that disease in the previous week. Scarlet fever caused 13 out of 76 deaths in Bristol, and 11 out of 101 deaths in Sheffield.

In Edinburgh the annual rate of mortality last week was 23 per 1000 persons living, in Glasgow 24 per 1000, and in Dublin 20.

In Paris the deaths registered during the week ending last Saturday were at the annual rate of 34 per 1000 persons living. Small-pox caused 210 deaths, as compared with 238 in each of the two preceding weeks.

In Vienna the annual rate of mortality during the week ending the 25th ultimo was 35 per 1000.

In LONDON the *births* of 1129 boys and 1084 girls, in all 2213 children, were registered last week. The *deaths* registered in the same time were 1359. During the corresponding weeks of ten previous years the registered births averaged 1964 and the deaths 1227 per week; after making due allowance for increase of population, the average for the past week is estimated at 2160 births and 1350 deaths; the registered births, therefore, were 53, and the deaths 9, above the estimated average. The deaths were higher than in any week since the beginning of May.

The mortality in the Western group of Districts was at the annual rate of 26, in the Northern group of 21, in the Central group of 23, in the Eastern group of 22, and in the Southern group of 19 per 1000 persons living.

The deaths under 5 years of age were 682, at the ages 5 to 20 years they were 114, at 20 to 40 years 161, at 40 to 60 years 189, at 60 to 80 years 183, and

30 at 80 years and upwards. Of infants in their first year 454 died, and 212 persons aged 60 years and upwards.

Zymotic diseases caused 462 deaths, including 12 from small-pox (6 of which occurred in Bethnal Green), 42 from measles, 80 from scarlet fever, 6 from diphtheria, 5 from croup, 28 from whooping-cough, 8 from typhus, 12 from enteric (or typhoid) fever, 7 from simple continued fever, 6 from erysipelas, and 192 from diarrhoea.

Twelve deaths classed as "simple cholera" in the returns were thus registered:—

KENSINGTON; *St. John Paddington*.—At 14 Westbourne-street, on 29th June, the son of a gentleman, aged 18 weeks, "choleraic diarrhoea (20 hours)."

MARYLEBONE; *All Souls*.—At 19 Charlotte-street, on 25th June, the daughter of a licensed victualler, aged 4 months, "diarrhoea (4 days), English cholera (1 day)."

PANCRAS; *Regent's Park*.—At 17 Regent's Park-terrace, on 27th June, the son of a solicitor, aged 3 months, "English cholera (24 hours)."

In the same sub-district.—At 4 Clarence-gardens, on 30th June, the daughter of a joiner, aged 9 months, "choleraic diarrhoea (4 days)."

ISLINGTON; *West*.—At 32 Cloudesley-road, on 23d June, the son of an eating-house keeper, aged 6 weeks, "thrush (14 days), choleraic diarrhoea (2 days)."

HACKNEY; *Hackney*.—At the Union Workhouse, Homerton, on 20th June, the daughter of an inmate, aged 1 year and 8 months, "sudden, collapse from choleraic diarrhoea." (*Inquest*.)

HOLBORN; *Goswell-street*.—At 4 Brewer-street, on 29th June, the son of a tin-plate worker, aged 4 months, "exhaustion from bad nutrition (1 month), British cholera (4 days)."

ST. GEORGE-IN-THE-EAST; *St. John*.—At 25 Meeting House-alley, on 2d July, the daughter of a seaman, merchant service, aged 6 months, "choleraic diarrhoea (4 days), exhaustion."

MILE END OLD TOWN; *Eastern*.—At 22 East-street, on 30th June, an engineer, aged 64 years, "cholera (5 days), ischuria (5 days)."

CAMBERWELL; *St. George*.—At the St. George's Tavern, Coleman-street, on 30th June, the daughter of a licensed victualler, aged 5 months, "collapse from choleraic diarrhoea (4 days)."

GREENWICH; *East*.—At 15 William-street, on 27th June, the daughter of a carman, aged 3 years, "choleraic diarrhoea, convulsions."

WOOLWICH; *Plumstead East*.—At 2 Upper Earl-street, on 28th June, the daughter of an engine fitter, aged 4 months, "infantile cholera."

Of the 192 deaths from diarrhoea 175 were of children under 5 years of age. The treatment of diarrhoea—summer or choleraic—is a striking instance of the power and utility of the medical art. But to be successful it must commence at the origin of the complaint, before exhaustion has set in. The deaths will increase unless aid is sought in time.

Fifty-six deaths resulted from violence: of these 44 were accidental, including 22 by fractures, 3 by burns or scalds, 4 by drowning, and 5 (infants) by suffocation. Ten suicides were registered.

The three following deaths were caused by sunstroke: a butcher, aged 59 years, died on 23d June at Middlesex Hospital of "sunstroke;" a girl, aged 6 years, died on 27th June at Bethnal-green, "sunstroke, 11 days;" a boy, aged 5 years, died on 25th June at Poplar, "sunstroke, 5 days, convulsions."

Six fatal accidents caused by horses or vehicles in the streets were returned last week:—A boy, aged 4 years, died at Kensington of injuries from being run over by a cab; a boy, aged 5 years, died on 26th June, at St. George's Hospital, of injuries from being run over by a van in Warwick Street, Pimlico; a boy, aged 9 years, died on 22d June, at Kilburn, of injuries from being run over by an omnibus; a boy, aged 2 years, died on 22d June, at Bartholomew's Hospital, "run over by a van in Banner Street;" a carman, aged 54 years, died on 20th June at St. Thomas's Hospital, of injuries caused by falling off a carriage which passed over him; a female, aged 64 years, died on 23d June, at Guy's Hospital, "run over by omnibus in the Borough, injuries to leg and foot, 3 days, amputation, 2 days, mortification and blood poisoning." (*Inquest*.)

In the Public Institutions of the Metropolis 203 deaths were registered ; of these 116 occurred in Workhouses, 3 in Military and Naval Asylums, 55 in General Hospitals, 13 in Hospitals for special diseases, 2 (children) in Lying-in Hospitals, 4 in Military and Naval Hospitals, 5 in Hospitals and Asylums for Foreigners, and 5 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow :—Mean reading of the *barometer* 29·860 in. ; the highest mean daily reading was 29·93 in. on Tuesday, and the lowest was 29·81 in. on Saturday. The mean temperature of the *air* was 57°·7, or 3°·6 below the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 75°·1 on Wednesday ; the lowest night temperature was 44°·8 on Saturday ; the entire range of temperature in the week was, therefore, 30°·3. The highest temperature in the sun was 131°·1 on Wednesday. The mean temperature was below the average on every day of the week, the greatest defect being 6°·5 on Friday. The difference between the mean *dew-point* temperature and *air* temperature was 9°·4. The mean degree of *humidity* of the air was 71, complete saturation being represented by 100. *Rain* fell on one day (Friday) in the week to the amount of 0·16 in. The general direction of the *wind* was variable, and the horizontal movement of the air amounted to 10·2 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 50°·8 in Newcastle-upon-Tyne to 58°·7 in Portsmouth ; the lowest recorded night temperature was 38°·0 in Hull, and the highest day temperature in the shade was 76°·2 in Portsmouth. Rain fell in all the towns except Bristol, the amounts measured, ranging from 0·08 in. at Portsmouth, to 1·36 in. at Newcastle-upon-Tyne.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 14°·3 ; the highest day temperature in the shade was 23°·9 ; the lowest night temperature was 7°·1 ; the highest temperature in the sun was 55°·1. The mean temperature of the week on an average of 50 years was 16°·3, or 2°·0 above the temperature of last week. The wind blew at the rate of 16·3 kilometers an hour, and the rain-fall was 0·40 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 174,632 cubic metres, and at Barking 198,472 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

A CENTENARIAN.

Of the centenarians in the registration returns few can be traced through life by authentic documents; and the cases hitherto examined have generally broken down. In the following instance the chain of evidence appears to be complete and conclusive.

JACOB WILLIAM LUNING died on 23d June, aged 103 years, at Morden College, Blackheath. He was born at Hamelvörden in Hanover on 19th May 1767. He came to London at the age of 22, and was a boarder at Mr. Duff's school in Tooting; he was naturalized, and married Ellen Sands at Spalding in Lincolnshire in 1796 (age 29); insured his life for £200 in the *Equitable Society** at the age of 36; had twelve children born and christened, of whom six survive—three sons and three daughters of ages ranging from 53 to 66. These children were born therefore when he was between the ages of 37 and 50, from 8 to 21 years after his marriage. Not succeeding in business himself he became book-keeper in some of the first mercantile houses in the city, and was engaged in this vocation until he attained in 1858 the age of 91. He was admitted a member of Morden College on 30th March 1859, having in his memorial to the trustees stated his age to have been 91 on his previous birthday.

These particulars have been supplied to the Registrar General by Robert Finch, M.D., Medical Officer of Health for Charlton, who has also answered some inquiries, and supplied documentary evidence, which satisfactorily establish the facts.

Dr. Finch states on the daughter's authority that from the date of admission into the College until the last few months the old man enjoyed good health, and, with the exception of some deafness, was in the possession of all his faculties. His strength gradually gave way, and for about a fortnight he was unable to leave his bed; the light that had burnt for one hundred and three years went out.

The father, Meinhard Conrad Luning, pastor of Hamelvörden, was born on 17th December 1732, and married, on 25th May 1764, Magdalena Dorothea Pratje, born at Stade, 23d January 1748. Jacob William's father was 31, his mother 16, at their marriage; 34 and 19 at his birth. The father died of bilious fever, aged 51; the mother attained the age of 78½ years. They had four sons, two daughters; a son and daughter died in infancy, one died aged 22, two grew up. Jacob William was the third child. He is represented in his pedigree as the eleventh in descent from Christina Luther, the sister of Dr. Martin Luther, who died without issue.

Dr. Finch cites as his authority the Life of Superintendent-General Pratje, the grandfather of Luning. The following document is important.

The verbal translation of the Certificate of Baptism.

CERTIFICATE OF BAPTISM, extracted from the church book at Hamelvörden, inscribed in the following words:—

"In wedlock, born 1767, the 19th May, the son of the here resident clergyman Meinhard Conrad Luning and his wife Magdalena Dorothea (born Pratje), baptized the 21st instant, and named Jacob William.

"Witness, M. LUNING, of Verden, Inspector of Customs."

That the above is truly extracted I hereby certify by my own handwriting, signature, and seal of office. In fidem,

Hamelvörden, the 30th of
March 1827. (L.S.)

FREDK. DAVID WEEBE,
Superintendent and Clergyman at Hamelvörden, in the
district of Kendingen, kingdom of Hanover.

* The referees say the life was good; he had had small-pox. The bonuses had raised the policy to £1,292. 10s. This information was supplied by the Equitable Society.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTY-SIXTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1731	1904	1807	1959	1999	1969	1919	2160	2169	2019	1963·6	2213
Males . .	859	963	897	1025	1051	1004	982	1084	1122	1046	1003·3	1129
Females . .	872	941	910	934	948	965	937	1076	1047	973	960·3	1084
TOTAL Deaths	1001	1092	1066	1158	1297	1455	1400	1113	1454	1231	1227·2	1359
Males . .	511	594	540	619	663	747	694	603	767	654	639·2	693
Females . .	490	498	526	539	634	708	706	515	687	577	588·0	666

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Apr. 9.	Apr. 16.	Apr. 23.	Apr. 30.	May 7.	May 14.	May 21.	May 28.	June 4.	June 11.	June 18.	June 25.	July 2.
TOTAL Deaths - - -	1631	1475	1487	1394	1314	1426	1313	1239	1232	1273	1292	1282	1359*
Deaths under 5 years of age -	626	591	611	538	515	589	544	515	482	542	544	575	682
Deaths 5—20 - - -	111	86	110	109	95	112	119	95	125	105	112	124	114
Deaths 20—40 - - -	213	196	208	220	199	215	195	193	206	208	177	173	161
Deaths 40—60 - - -	292	261	252	238	242	230	199	206	205	201	209	188	189
Deaths 60—80 - - -	311	280	254	234	219	238	208	196	176	186	208	184	183
Deaths at 80 years & upwards	78	61	52	55	44	42	48	34	38	31	42	38	30
Deaths from Small-pox -	8	2	10	3	9	6	19	11	12	8	7	11	12
„ „ Measles - - -	34	28	32	32	49	42	36	31	34	53	36	51	42
„ „ Scarlet Fever -	71	70	77	68	74	76	81	90	91	103	100	95	80
„ „ Diphtheria - -	3	9	3	6	1	3	5	3	7	4	7	4	6
„ „ Whooping-cough -	61	55	51	61	33	43	35	28	24	33	25	27	28
„ „ Typhus fever - -	6	6	10	13	8	7	7	8	3	4	16	7	8
„ „ Enteric (or Ty- phoid) fever - }	18	16	18	15	11	15	14	13	17	8	16	21	12
„ „ Simple Cont ^d fever	14	8	10	11	12	11	12	11	14	14	15	6	7
„ „ Diarrhœa - - -	16	18	17	13	14	14	17	13	22	34	56	86	192
„ „ Phthisis - - -	198	200	173	193	183	200	165	179	173	181	161	145	149
„ „ Bronchitis - - -	259	196	176	133	123	136	116	98	85	75	80	61	56
„ „ Pneumonia - - -	107	66	91	86	67	59	65	57	57	61	50	48	41
„ „ Heart Disease -	69	65	78	64	51	70	59	52	70	43	60	57	60
Mean Temperature of the Air	45·5	50·1	55·0	47·7	45·6	49·3	59·8	56·6	58·1	58·0	64·6	63·8	57·7
Mean Temperature of the Water of the Thames }	43·4	45·3	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	71	71	61	76	76	83	69	69	77	68	68	66	71
Rain-fall in inches - - -	0·07	0·07	0·00	0·13	0·02	0·37	0·04	0·00	0·16	0·00	0·15	0·12	0·16

* The return for the sub-district of St. Leonard Shoreditch was not received when the tables were under preparation, and an average of 6 is substituted for the true number, which is 10.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland, His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Conn-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Ellison, Esq., F.M.S., Leicester; M. O. Taborston, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereith, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 2d day of July 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 2d July.	DEATHS registered during the Week ending 2d July.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	5411	3038	79·7	38·0	55·1	12·83	0·42	1·07
LONDON - - -	77,997	3,214,707	41·2	2213	1359	75·1	44·8	57·7	14·28	0·16	0·40
PORTSMOUTH - - -	9,513	122,084	12·8	66	26	76·2	43·9	58·7	14·83	0·08	0·20
NORWICH - - -	7,472	81,087	10·9	44	37	67·8	46·0	54·2	12·33	0·71	1·81
BRISTOL - - -	4,688	171,382	36·6	124	76	71·3	44·7	56·2	13·44	0·00	0·00
WOLVERHAMPTON - -	3,387	72,990	21·5	45	23	67·2	45·2	54·7	12·61	0·21	0·54
BIRMINGHAM - - -	7,831	369,604	47·2	232	115	69·2	48·0	55·8	13·22	0·15	0·38
LEICESTER - - -	3,200	97,427	30·4	53	33	67·7	44·7	55·1	12·83	0·30	0·76
NOTTINGHAM - - -	1,996	88,888	44·5	88	19	69·8	45·3	56·3	13·50	0·12	0·30
LIVERPOOL - - -	5,103	517,567	101·3	427	264	61·8	50·4	54·2	12·33	0·14	0·35
MANCHESTER - - -	4,486	374,993	83·6	274	174	65·4	46·0	54·7	12·61	0·77	1·90
SALFORD - - -	5,172	121,580	23·5	89	48	65·1	45·7	53·3	11·84	0·65	1·65
BRADFORD - - -	6,590	143,197	21·7	168	69	68·0	47·5	56·1	13·39	0·45	1·15
LEEDS - - -	21,572	259,527	12·0	322	118	69·0	48·0	55·8	13·22	0·49	1·25
SHEFFIELD - - -	22,830	247,378	10·8	200	101	67·0	47·0	54·9	12·72	0·37	0·94
HULL - - -	3,562	130,869	36·7	92	57	66·0	38·0	52·7	11·50	0·45	1·15
SUNDERLAND - - -	3,306	100,979	30·5	131	43	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	148	51	62·0	43·0	50·8	10·44	1·36	3·45
EDINBURGH - - -	4,427	178,970	40·4	147	80	79·7	46·0	56·6	13·66	1·20	3·05
GLASGOW - - -	5,063	468,189	92·5	376	217	—	—	—	—	—	—
DUBLIN - - -	9,745	321,540	33·0	167	123	66·7	43·5	54·5	12·50	0·00	0·00
PARIS - - -	7,802	1,889,842	242	—	1220	—	—	—	—	—	—
						Week ending 25 June 1870.					
VIENNA - - -	3,728*	622,087	167	—	423	—	—	67·3	19·62	—	—
						Week ending 30 June 1870.					
BERLIN - - -	4,253	800,900	123	—	—	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 2d day of July 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE OF MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public	
Total of 17 TOWNS -	22	2618	857	412	15	63	146	8	48	63	300	106	166	34	
LONDON - - - -	22	1359	454	212	12	42	80	6	28	27	192	56	85	208	
PORTSMOUTH - - -	11	26	3	7	-	-	2	-	-	1	-	2	3	-	
NORWICH - - - -	24	37	11	11	-	1	2	-	2	-	2	1	1	-	
BRISTOL - - - -	23	76	23	5	-	-	13	-	-	3	6	-	1	-	
WOLVERHAMPTON -	16	23	5	5	-	-	2	-	-	1	-	-	-	-	
BIEMINGHAM - - -	16	115	38	22	-	1	5	1	4	1	7	8	14	1	
LEICESTER - - - -	20	38	14	7	-	-	-	-	-	-	4	-	-	-	
NOTTINGHAM - - -	11	19	3	4	-	1	1	-	-	2	-	-	-	-	
LIVERPOOL - - - -	27	264	95	45	-	6	14	-	4	6	22	16	19	4	
MANCHESTER - - -	24	174	60	26	3	1	3	-	1	4	22	11	21	2	
SALFORD - - - -	21	48	15	6	-	1	1	-	-	1	11	2	2	-	
BRADFORD - - - -	25	69	18	13	-	3	2	1	3	6	2	1	4	1	
LEEDS - - - -	24	118	41	14	-	1	6	-	2	5	9	5	5	-	
SHEFFIELD - - - -	21	101	34	5	-	3	11	-	2	4	15	2	5	-	
HULL - - - -	23	57	17	10	-	-	3	-	2	1	4	-	1	-	
SUNDERLAND - - -	22	43	13	11	-	-	1	-	-	-	1	1	2	-	
NEWCASTLE-ON-TYNE -	20	51	13	9	-	3	-	-	-	1	3	1	3	-	
DUBLIN - - - -	20	123	18	28	-	-	4	-	1	4	5	7	8	3	

TABLE 5.—DEATHS in LONDON Registered in the TWENTY SIXTH Week of the Year 1870.

		In the Week ending Saturday, July 2, 1870.									In the Week ending Saturday, July 2, 1870.								
CAUSES OF DEATH.		Averages of the Twenty-sixth Week in the 10 years 1860-69.	Deaths of Persons of the Ages						CAUSES OF DEATH.		Averages of the Twenty-sixth Week in the 10 years 1860-69.	Deaths of Persons of the Ages							
			ALL AGES.	Under 20.		40.	60.	80.				ALL AGES.	Under 20.		40.	60.	80.		
Mean Temperature			Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature			Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
Mean Temperature		59.7	57.7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature		59.7	57.7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES		1227.2	1359†	680	113	160	188	182	30	9. Stricture of Intestines		9	-	-	-	-	-	-	-
SPECIFIED CAUSES		1214.0	1348	677	113	160	188	180	30	10. Fistula		3	-	-	-	-	-	-	-
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		5.3	6	3	-	-	2	1	-
ORDER 1.										12. Pancreas Disease, &c.		-	-	-	-	-	-	-	-
Small-pox		14.8	12	8	3	1	-	-	-	13. Hepatitis		3.6	5	-	-	2	1	2	-
Measles		42.5	42	39	3	-	-	-	-	14. Jaundice		3.8	4	1	1	-	1	1	-
Scarlet Fever (Scarlatina)		45.5	80	49	25	6	-	-	-	15. Liver Disease, &c.		14.9	13	-	1	3	5	3	1
Diphtheria		9.5	6	4	1	1	-	-	-	16. Spleen Disease, &c.		6	-	-	-	-	-	-	-
Quinsy		1.0	-	-	-	-	-	-	-	ORDER 5.									
Croup		11.5	5	5	-	-	-	-	-	1. Nephritis		8	-	-	-	-	-	-	-
Whooping-cough		47.7	28	28	-	-	-	-	-	2. Ischuria		1	1	-	-	-	-	1	-
Typhus		3	8	-	3	2	3	-	-	3. Bright's Disease (Nephria)		9.1	8	-	-	2	4	2	-
Enteric or Typhoid Fever		41.5	12	3	3	4	2	-	-	4. Diabetes		3	1	-	-	1	-	-	-
Simple continued Fever		4.4	6	-	3	1	1	3	-	5. Calculus (Stone)		1.5	-	-	-	-	-	-	-
Erysipelas		2.5	3	-	-	2	1	-	-	6. Cystitis		6.9	7	-	1	-	5	1	-
Puerperal Fever (Metria)		5.3	-	-	-	-	-	-	-	ORDER 6.									
Carbuncle		2.6	2	1	-	-	-	-	-	1. Ovarian Dropsy		9	-	-	-	-	-	-	-
Influenza		66.0	192	175	-	1	7	8	1	2. Uterus Disease, &c.		3.3	1	-	-	-	-	1	-
Dysentery		5.0	12	11	-	-	-	1	-	ORDER 7.									
Diarrhoea		1.4	-	-	-	-	-	-	-	1. Synovitis (Arthritis)		2	-	-	-	-	-	-	-
Simple Cholera		1.3	-	-	-	-	-	-	-	2. Joint Disease, &c.		4.5	1	-	1	-	-	-	-
Ague		6.0	6	-	1	1	-	3	1	ORDER 8.									
Remittent Fever		3	-	-	-	-	-	-	-	1. Phlegmon		5	4	1	1	1	-	1	-
Rheumatism		6.0	6	-	1	1	-	3	1	2. Ulcer		2.0	-	-	-	-	-	-	-
Other Zymotic Diseases		3	-	-	-	-	-	-	-	3. Skin Disease, &c.		1.0	1	-	-	1	-	-	-
ORDER 2.										IV. DEVELOPMENTAL DISEASES.									
Syphilis		6.0	8	7	-	-	1	-	-	ORDER 1.									
Stricture of Urethra		9	1	-	-	-	-	-	-	1. Premature Birth		21.2	27	27	-	-	-	-	-
Hydrophobia		-	-	-	-	-	-	-	-	2. Cyanosis		2.1	1	1	-	-	-	-	-
Glanders		-	-	-	-	-	-	-	-	3. Spina Bifida		9	3	3	-	-	-	-	-
ORDER 3.										4. Other Malformations		1.6	4	4	-	-	-	-	-
Privation		4	-	-	-	-	-	-	-	5. Teething		15.4	17	17	-	-	-	-	-
Want of Breast-milk		8.9	17	17	-	-	-	-	-	ORDER 2.									
Purpura and Scoury		2.1	2	1	-	-	1	-	-	1. Paramenia		1	-	-	-	-	-	-	-
Alcohol & Del. Tremens		2.1	1	-	-	-	-	1	-	2. Childbirth (see Puer- peral Fever)		4.2	3	-	-	3	-	-	-
Alcohol & Del. Intemperance		5	2	-	-	1	-	1	-	ORDER 3.									
ORDER 4.										1. Old Age		42.7	28	-	-	-	-	13	15
Thrush		2.6	10	10	-	-	-	-	-	ORDER 4.									
Worms, &c.		2	-	-	-	-	-	-	-	1. Atrophy and Debility		58.4	68	59	1	2	1	5	-
CONSTITUTIONAL DIS.										V. VIOLENT DEATHS, &c.									
ORDER 1.										ORDER 1.									
Gout		1.9	-	-	-	-	-	-	-	(ACCIDENT OR NEGLIGENCE.)									
Dropsy		12.3	13	2	2	1	2	6	-	1. Fractures and Contusions		20.6	22	5	6	3	7	1	-
Cancer		39.4	38	-	-	4	17	17	-	2. Wounds		6	3	-	-	1	1	1	-
Cancerum Oris (Noma)		6	1	1	-	-	-	-	-	3. Burns and Scalds		2.9	3	3	-	-	-	-	-
Mortification		3.1	5	-	-	1	-	3	1	4. Poison		1.1	-	-	-	-	-	-	-
ORDER 2.										5. Drowning		8.9	4	2	2	-	-	-	-
Scrofula		10.0	12	7	3	2	-	-	-	6. Suffocation		7.1	5	5	-	-	-	-	-
Tabes Mesenterica		20.4	23	21	1	1	-	-	-	7. Otherwise		2.2	7	-	3	1	2	1	-
Phthisis		102.3	149	12	21	65	43	8	-	ORDER 3.									
Hydrocephalus		29.4	22	18	4	-	-	-	-	(HOMICIDE.)									
II. LOCAL DISEASES.										1. Murder and Manslaughter		3.3	1	1	-	-	-	-	-
ORDER 1.										ORDER 4.									
Cephalitis		13.0	15	11	3	-	1	-	-	(SUICIDE.)									
Apoplexy		32.5	37	6	-	3	17	11	-	1. Wounds { Gunshot Cut, Stab		1	-	-	-	-	-	-	-
Paralysis		22.9	32	-	-	4	6	16	6	2. Poison		1.5	2	-	-	1	-	-	-
Insanity		3.0	2	-	-	-	-	2	-	3. Drowning		9	4	-	-	3	-	1	-
Chorea		2	-	-	-	-	-	-	-	4. Hanging		2.3	2	-	-	-	2	-	-
Epilepsy		5.4	7	2	1	2	2	-	-	5. Otherwise		6	1	-	-	1	-	-	-
Convulsions		42.5	41	40	1	-	-	-	-	ORDER 5.									
Brain Disease, &c.		18.6	14	6	1	-	2	5	-	(EXECUTION.)									
ORDER 2.										1. Hanging		-	-	-	-	-	-	-	-
Pericarditis		2.6	1	-	1	-	-	-	-	Violent Deaths (not classed)		5	1	1	-	-	-	-	-
Aneurism		1.9	2	-	-	1	1	-	-	Sudden Deaths (Cause un- ascertained)		3.8	-	-	-	-	-	-	-
Heart Disease, &c.		52.6	60	-	2	14	23	21	-	Causes not specified or ill- defined		9.4	11†	3	-	-	-	2	-
ORDER 3.																			
Laryngitis		4.0	7	4	1	1	-	1	-										
Bronchitis		64.1	66	19	2	4	8	13	5										
Pleurisy		2.8	2	-	1	-	1	-	-										
Pneumonia		52.5	41	28	5	6	2	-	-										
Asthma		3.9	5	-	-	-	-	5	-										
Lung Disease, &c.		10.8	11	2	1	2	3	3	-										
ORDER 4.																			
Gastritis		1.4	-	-	-	-	-	-	-										
Enteritis		5.6	10	6	1	1	2	-	-										
Peritonitis		3.4	7	-	3	2	-	2	-										
Ascites		2.4	3	-	-	-	2	1	-										
Ulceration of Intestines		2.0	1	-	-	-	-	1	-										
Hernia		3.0	6	-	-	-	2	4	-										
Hæm		3.4	4	-	-	2	1	1	-										
Intussusception		1.0	-	-	-	-	-	-	-										

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

† An average of 6 is added without distinction of ages. See note *, page 219.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and. from SMALL-POX, MEASLES, SCARLET during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
REGISTRARS' SUB-DISTRICTS.																		
LONDON		2,803,989	2213	1359	454	212	12	42	80	6	28	8	12	7	192	56	85	20
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	32	32	12	2	-	-	1	-	4	-	-	-	5	2	4	7
St. John Paddington H		36769	22	16	8	4	-	-	1	1	-	1	-	-	10	2	2	8
Kensington Town W		51910	61	44	19	8	-	-	-	-	-	-	-	-	1	1	-	4
Brompton H		18198	15	13	-	5	-	-	1	-	-	-	-	-	1	-	-	1
St. Peter Hammersmith		5415	3	3	1	3	-	-	1	1	-	-	-	-	7	-	-	-
St. Paul Hammersmith H		19104	20	19	9	3	-	1	1	-	1	-	-	-	-	-	-	-
Fulham W		15539	25	16	7	2	-	5	1	-	1	-	-	-	-	-	-	-
Chelsea South H		21654	21	23	8	4	-	1	5	-	1	-	-	-	3	1	1	3
Chelsea North-west HW		19899	14	7	2	1	-	1	1	-	-	-	-	-	1	-	1	1
Chelsea North-east		21888	18	10	2	2	-	-	2	-	-	-	1	-	2	-	-	-
Hanover Square		19773	9	10	3	2	-	-	-	-	-	-	-	-	1	1	-	-
May Fair W		12885	8	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Belgrave H		55113	36	17	5	3	-	-	1	-	-	-	-	-	2	1	1	4
St. John Westminster H		37493	24	20	8	1	-	1	-	2	-	-	1	-	5	-	-	13
St. Margaret Westminster WH		30730	11	24	5	5	-	-	1	-	-	-	1	-	3	-	-	-
St. James's Square		10753	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Golden Square W		13966	6	6	1	2	-	-	1	-	-	-	-	-	-	1	-	-
Berwick-street		10607	3	4	2	-	-	-	1	-	1	-	-	-	-	-	-	-
St. Anne Soho		17423	7	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29932	21	14	3	2	-	-	1	-	-	-	-	-	2	2	2	8
Cavendish Square		15090	9	4	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Rectory Marylebone W		26699	21	21	9	5	-	-	1	-	-	-	-	-	4	1	1	8
St. Mary Marylebone H		22493	23	11	6	1	-	1	-	-	-	-	-	-	2	-	-	-
Christchurch Marylebone		34913	14	15	7	1	-	-	-	-	1	-	1	-	5	1	1	1
St. John Marylebone		32540	24	16	9	-	-	-	1	-	1	-	-	-	5	-	-	-
Hampstead WH		19106	19	6	1	2	-	-	-	-	-	-	-	-	1	1	1	1
Regent's Park Pancras		34927	17	15	9	2	-	-	2	-	-	-	-	-	7	-	-	-
Tottenham-court WH		29371	11	20	6	3	-	-	1	-	-	-	-	-	4	-	1	1
Gray's Inn Lane H		27803	14	12	4	1	-	-	-	-	-	-	-	-	3	-	-	-
Somers Town		39099	26	8	3	-	-	3	-	-	-	-	-	-	2	-	-	-
Camden Town W		23208	15	7	3	2	-	-	1	-	-	-	-	-	1	1	1	1
Kentish Town		44317	48	25	8	2	-	-	3	1	-	-	-	-	6	-	-	-
Islington West* WHH		75442	84	47	15	4	4	-	4	1	1	1	1	1	3	2	2	1
Islington East W		79599	67	39	11	4	-	5	4	-	-	-	1	-	4	1	3	1
Stoke Newington		6698	3	3	1	2	-	-	-	-	-	-	-	-	1	-	-	-
Stamford Hill		5463	2	5	3	1	-	-	-	-	-	-	-	-	1	-	-	-
West Hackney		24265	21	12	3	2	-	1	-	-	-	-	-	-	1	-	1	1
Hackney WH		31481	33	18	2	3	-	-	2	-	-	-	1	-	2	2	-	-
South Hackney L		15458	12	4	1	-	-	-	-	-	-	-	-	-	1	-	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	13	5	1	1	-	-	-	-	-	-	-	-	1	-	-	-
St. Giles South WH		19483	25	12	3	1	-	-	-	-	-	-	-	-	2	1	2	1
St. Giles North		17201	20	10	3	1	-	1	-	-	-	-	-	-	-	-	-	-
Long Acre		11613	8	6	2	1	-	-	-	-	-	-	-	-	3	1	1	1
Charing Cross WH		11071	9	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary-le-Strand		10846	6	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-
St. Clement Danes H		15207	7	9	1	1	-	-	-	-	-	-	-	-	-	-	1	1
St. George-the-Martyr H		19903	11	8	-	2	-	-	-	-	-	-	-	1	-	-	-	-
St. Andrew East Holborn W		12947	14	10	1	1	-	2	-	-	1	-	-	-	-	-	2	-
Saffron Hill		12012	4	5	1	-	-	1	1	-	-	-	-	-	2	1	1	1
St. James Clerkenwell W		19152	15	7	3	2	-	-	-	1	-	-	-	-	1	1	-	-
Amwell Clerkenwell		17220	12	5	2	-	-	1	1	-	-	-	-	-	1	-	-	-
Pentonville		13079	10	5	4	-	-	-	-	-	-	-	-	-	1	-	-	-
Goswell-street		16200	9	7	2	1	-	-	-	-	-	-	-	-	1	-	-	-
Old-street		11504	8	8	4	-	-	-	-	-	-	-	-	-	1	-	-	-
City-road HL		17860	15	12	4	1	-	-	-	-	-	-	-	-	-	-	1	-
Whitecross-street		14778	22	6	5	-	-	-	1	-	-	-	-	-	4	-	-	-
Finsbury		12931	5	6	1	-	-	2	-	-	-	-	-	-	-	-	-	-
St. Botolph East London		20990	6	5	4	-	-	-	-	-	-	-	-	-	-	-	1	-
Cripplegate		19637	11	8	2	-	-	-	2	-	1	-	-	-	1	2	-	-
St. Sepulchre WH		11750	6	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Bride W		15395	4	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Castle Baynard		7792	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9020	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking		8659	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street		11544	8	3	2	-	1	-	-	-	-	-	-	-	1	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 2d JULY, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.				DIFFERENCE				WIND.				RAIN.					
Phases of Moon.	Moon.	Mean daily reading (corrected to 32 deg. Fahrenheit).	in.	Highest in the sun, as shown by a thermometer.	Lowest on the grass, as shown by a thermometer.	In the Water at Greenwich, by self-registering thermometers.	Between Dew Point and Air Temperature.		Between mean temperature of the day and the mean temperature of the same day on an average of 50 years.	Degree of midday, complete saturation the day and night represented by 100.	As deduced from Anemometers.		Collected in a Gauge whose receiving surface is 5 sq. ft. above the ground.								
							High-est.	Low-est.			General Direction.	Pressure on square foot.		Amount of Movement of Air each day.							
JUNE.																					
SUNDAY	26	29.824	68.6	50.0	18.6	59.1	49.6	105.7	39.4	0	0	71	WSW & W.	71	WSW & W.	W.	0.0	0.4	350	0.00	
MONDAY	27	29.817	71.4	55.3	16.1	59.9	47.8	117.5	50.7	0	0	65	W. & NW.	65	W. & NW.	N. & NNE.	0.0	0.3	255	0.00	
TUESDAY	28	29.929	68.1	48.8	19.3	57.2	48.9	128.0	40.3	0	0	74	NE.	74	NE.	SW. & NE.	0.1	0.0	102	0.00	
WEDNESDAY	29	29.903	75.1	44.9	30.2	58.7	50.0	131.1	36.6	0	0	73	NW. & N.	73	NW. & N.	N.	0.9	0.0	170	0.00	
THURSDAY	30	29.883	69.0	50.5	18.5	58.0	45.8	125.0	46.0	0	0	64	NW.	64	NW.	NW. & NW.	1.1	0.0	258	0.00	
JULY.																					
FRIDAY	1	29.857	68.0	49.2	18.8	54.4	48.3	124.7	40.0	0	0	80	W by S & WNW.	80	W by S & WNW.	NW. & NW.	3.7	0.0	0.3	289	0.16
SATURDAY	2	29.810	69.0	44.8	24.2	56.5	47.4	126.0	37.2	0	0	72	W by S & WNW.	72	W by S & WNW.	NW. & NW.	1.5	0.0	0.3	294	0.00
MEANS																					
Sum																1718	0.16				
No. of Columns.																24	25	26			
DATE.																					
JUNE.																					
SUNDAY	26																				
MONDAY	27																				
TUESDAY	28																				
WEDNESDAY	29																				
THURSDAY	30																				
JULY.																					
FRIDAY	1																				
SATURDAY	2																				

The electrical apparatus was not in action during the week.

The height of the cistern of the barometer is considered to be 153 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's first glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at James Glaisher, F.R.S., from five daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1845. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1845, December 31.

*In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The result of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.97 in. at the beginning of the week to 29.74 in. by 9h. P.M. on the 26th; increased to 29.94 in. by 9h. A.M. on the 28th; decreased to 29.87 in. by noon on the 30th of June; increased to 29.90 in. by 9h. P.M. on the same day; and decreased to 29.78 in. by the end of the week.

Partially cloudy. Occasional showers of rain.

A fine day; partially cloudy.

NOTES

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 27. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, JULY 9. [Price 1d.]

*General Register Office, Somerset House,
11th July 1870.*

DURING the week ending Saturday the 9th instant, 4534 *births* and 3274 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 24 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow :—Liverpool 26 per 1000, Bradford 32, Manchester 25, Salford 27, London 24, Birmingham 16, Newcastle-upon-Tyne 26, Leeds 23, Portsmouth 14, Sheffield 24, Hull 17, Wolverhampton 14, Bristol 32, Nottingham 23, Sunderland 18, Leicester 23, and Norwich 24.

In Edinburgh the annual rate of mortality last week was 26 per 1000 persons living, in Glasgow 25 per 1000, and in Dublin 17.

In Paris the deaths registered during the week ending last Saturday were at the annual rate of 32 per 1000 persons living. Small-pox caused 267 deaths, as compared with 210, 238, and 238 in the three preceding weeks.

In Berlin the annual rate of mortality during the seven days ending the 7th instant was 40 per 1000, and in Vienna during the week ending 2d instant, 31 per 1000.

In the City of Bombay the deaths registered during the two weeks ending May 31st and June 7th, were 289 and 277 respectively, and the mortality was at the annual rate of 18 per 1000.

In LONDON the *births* of 1057 boys and 969 girls, in all 2026 children, were registered last week. The *deaths* registered in the same time were 1497. During the corresponding weeks of ten previous years the registered births averaged 1889, and the deaths 1233 per week; after making due allowance for increase of population, the average for the past week is estimated at 2078 births and 1356 deaths; the registered births, therefore, were 52 below, and the deaths 141 above, the estimated average.

The mortality in the Western group of Districts was at the annual rate of 23, in the Northern group of 23, in the Central group of 29, in the Eastern group of 25, and in the Southern group of 24 per 1000 persons living.

The deaths under 5 years of age were 813, at the ages 5 to 20 years they were 115, at 20 to 40 years 171, at 40 to 60 years 187, at 60 to 80 years 177, and 34 at 80 years and upwards. Of infants in their first year 523 died, and 211 persons aged 60 years and upwards.

Zymotic diseases caused 555 deaths, including 13 from small-pox, 41 from measles, 104 from scarlet fever, 3 from diphtheria, 9 from croup, 24 from whooping-cough, 9 from typhus, 21 from enteric (or typhoid) fever, 11 from simple continued fever, 6 from erysipelas, and 258 from diarrhoea.

Ten deaths which have been classed as "simple cholera" in this return were thus registered:

KENSINGTON; *St. Mary Paddington*.—At 2 Elgin Villas, on 7th July, the son of a stock-broker, aged 4 months, "cold with cough (3 weeks), choleraic diarrhoea and vomiting (36 hours)."

KENSINGTON; *St. John Paddington*.—At 20 Southwick-street, on 7th July, the daughter of a clergyman, aged 4 months, "choleraic diarrhoea (15 hours)."

CHELSEA; *North-west*.—At 238 King's-road, on 6th July, the son of a messenger at the Home Office, aged 3 months, "infantile cholera (48 hours)."

CHELSEA; *North-east*.—At 3 West-row, Kensal Town, on 5th July, the son of a whitster, aged 7 months, "choleraic diarrhoea."

HACKNEY; *South*.—At 50 Havelock-road, on 9th July, the son of a carrier, aged 11 months, "infantile cholera (6 days)."

SHOREDITCH; *Holynwell*.—At 26 Clifton-street, North, on 9th July, a wheelwright, aged 36 years, "choleraic diarrhoea (14 hours)."

ST. SAVIOUR SOUTHWARK; *Borough-road*.—At 47 Mint-street, on 29th June, the son of a grocer, aged 1 year, "choleraic diarrhœa."

ST. SAVIOUR SOUTHWARK; *London-road*.—At 75 St. George's-road, on 3d July, the son of an army schoolmaster, aged 3 months, "English cholera (1 week)."

ST. OLAVE SOUTHWARK; *St. James*.—At 30 Major-road, on 3d July, the son of a commercial traveller, aged 14 months, "choleraic diarrhœa, collapse."

LAMBETH; *Lambeth Church 1st*.—At 5 Homer-street, on 2d July, the daughter of a stonemason, aged 5 months, "choleraic diarrhœa (8 days)."

Diarrhœa is rapidly increasing in fatality. The deaths in the week were 258, or 158 above the average for the season, and 66 in excess of the number for the previous week. Children and old people are the chief sufferers. Early treatment is neglected; the Health Officers should see to this. At present the cases are often choleraic.

Thirty-nine deaths resulted from violence: of these 26 were accidental, including 8 by fractures, 6 by drowning, and 7 infants and 1 adult by suffocation. Six suicides were registered.

The death of a girl, aged 5 years, was registered at Paddington, as having occurred from "sunstroke" on 3d July. A male cook, aged 53 years, was "choked whilst eating his dinner," and died in a few minutes, on 29th June, at Cornhill.

Three fatal accidents caused by horses or vehicles in the streets were returned last week: an artist, aged 53 years, died on 27th June at the Royal Free Hospital, of ruptured liver, "run over by a Hansom cab;" a farrier, aged 60 years, died on 1st July, of "shock from being knocked down by a horse and chaise," in Brick-lane, Whitechapel; a travelling barber, aged about 50 years, died on 3d July at Guy's Hospital, of injuries resulting from being run over by a water cart at Shooter's-hill Road.

In the Public Institutions of the Metropolis 221 deaths were registered; of these 128 occurred in Workhouses, 1 in Military and Naval Asylums, 71 in General Hospitals, 10 in Hospitals for special diseases, 3 (children) in Lying-in Hospitals, 3 in Military and Naval Hospitals, 2 in Hospitals and Asylums for Foreigners, and 3 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·785 in.; the highest was 29·97 in. on Thursday, and the lowest was 29·64 in. at the end of the week. The mean temperature of the *air* was 65°·0, or 3°·3 above the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 89°·7 on Friday; the lowest night temperature was 47°·1 on Sunday; the entire range of temperature in the week was, therefore, 42°·6. The highest temperature in the sun was 148°·2 on Thursday. The mean temperature was above the average on every day in the week except Sunday. The difference between the mean *dew-point* temperature and *air* temperature was 9°·7. The mean degree of *humidity* of the air was 72, complete saturation being represented by 100. *Rain* fell on Monday, Tuesday, Wednesday, and Saturday, to the amount of 0·12 in. The general direction of the *wind* was S.W.; and the horizontal movement of the air amounted to 9·8 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns, ranged from 58°·6 in Newcastle-upon-Tyne to 63°·0 in Leicester; the lowest recorded night temperature was 45°·8 in Portsmouth, and the highest day temperature in the shade was 87°·7 in Leicester. *Rain* fell in all the towns, the quantities measured ranging from 0·20 in. at Portsmouth, Hull, and Newcastle, to an inch and upwards at Bristol, Wolverhampton, and Birmingham.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 18°·3; the highest day temperature in the shade was 32°·1; the lowest night temperature was 8°·4; the highest temperature in the sun was 64°·6. The mean temperature of the week on an average of 50 years was 16°·5, or 1°·8 below the temperature of last week. The wind blew at the rate of 15·7 kilometers an hour, and the rain-fall was 0·30 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 179,437 cubic metres, and at Barking 186,466 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTY-SEVENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1667	1747	1715	1937	1876	1993	1950	1919	2093	1996	1889·3	2026
Males . .	879	870	862	995	967	1005	969	982	1050	1022	960·1	1057
Females .	788	877	853	942	909	988	981	937	1043	974	929·2	969
TOTAL Deaths	919	1043	1159	1187	1268	1536	1292	1130	1516	1279	1232·9	1497
Males . .	499	517	599	662	678	810	688	572	773	643	644·1	800
Females .	420	526	560	525	590	726	604	558	743	636	588·8	697

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Apr. 16.	Apr. 23.	Apr. 30.	May 7.	May 14.	May 21.	May 28.	June 4.	June 11.	June 18.	June 25.	July 2.	July 9.
TOTAL Deaths	1475	1487	1394	1314	1426	1313	1239	1232	1273	1292	1282	1359	1497
Deaths under 5 years of age	591	611	538	515	589	544	515	482	542	544	575	682	813
Deaths 5—20	86	110	109	95	112	119	95	125	105	112	124	114	115
Deaths 20—40	196	208	220	199	215	195	193	106	208	177	173	161	171
Deaths 40—60	261	252	238	242	231	199	206	205	201	209	188	189	187
Deaths 60—80	280	254	234	219	238	108	196	176	186	208	184	183	177
Deaths at 80 years & upwards	61	52	55	44	42	48	34	38	31	42	39	30	34
Deaths from Smallpox	2	10	3	9	6	19	11	12	8	7	11	12	13
" Measles	28	32	32	49	42	36	31	34	53	36	51	42	41
" Scarlet Fever	70	77	68	74	76	81	90	91	103	100	95	80	104
" Diphtheria	9	3	6	1	3	5	3	7	4	7	4	6	3
" Whooping-cough	55	51	61	33	43	35	28	24	33	25	27	28	24
" Typhus fever	6	10	13	8	7	7	8	3	4	16	7	8	9
" Enteric (or Typhoid) fever	16	18	15	11	15	14	13	17	8	16	21	12	21
" Simple Cont'd fever	8	10	11	12	11	12	11	14	14	15	6	7	11
" Diarrhoea	18	17	13	14	14	17	13	22	34	56	86	192	258
" Phthisis	201	173	193	188	200	165	179	173	181	161	145	149	141
" Bronchitis	196	176	133	123	136	116	98	85	75	80	61	56	59
" Pneumonia	66	91	86	67	59	65	57	57	61	50	48	41	43
" Heart Disease	65	78	64	51	70	59	52	70	43	60	57	60	63
Mean Temperature of the Air	50·1	55·0	47·7	45·6	49·3	59·8	56·6	58·1	58·0	64·6	63·8	57·7	65·0
Mean Temperature of the Water of the Thames	45·3	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air	71	61	76	76	83	69	69	77	68	68	66	71	72
Rain-fall in inches	0·07	0·00	0·13	0·02	0·37	0·04	0·00	0·16	0·00	0·15	0·12	0·16	0·12

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, if having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 9th day of July 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 9th July.	DEATHS registered during the Week ending 9th July.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)		RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Cent.	
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	4534	3274	89·7	38·5	60·8	16·00	0·63	1·0	
LONDON - - -	77,997	3,214,707	41·2	2026	1497	89·7	47·1	65·0	18·33	0·12	0·1	
PORTSMOUTH - -	9,513	122,084	12·8	70	32	80·2	45·8	61·5	16·39	0·21	0·1	
NORWICH - - -	7,472	81,087	10·9	57	38	80·5	51·0	62·1	16·72	0·81	2·1	
BRISTOL - - -	4,688	171,382	36·6	119	106	79·1	47·4	59·2	15·11	1·03	2·1	
WOLVERHAMPTON -	3,387	72,990	21·5	44	20	83·3	49·1	60·8	16·00	1·15	2·1	
BIRMINGHAM - -	7,831	369,604	47·2	207	112	82·4	52·7	61·3	16·28	1·17	2·1	
LEICESTER - - -	3,200	97,427	30·4	75	43	87·7	50·0	63·0	17·22	0·79	2·1	
NOTTINGHAM - -	1,996	88,888	44·5	50	40	84·6	50·4	61·3	16·28	0·96	2·1	
LIVERPOOL - - -	5,108	517,567	101·3	350	257	75·0	53·0	61·1	16·17	0·26	0·1	
MANCHESTER - -	4,436	374,993	83·6	224	177	84·0	51·0	61·5	16·39	0·58	1·1	
SALFORD - - -	5,172	124,580	23·5	119	64	82·4	50·0	60·4	15·78	0·55	1·1	
BRADFORD - - -	6,590	143,197	21·7	99	87	76·8	50·2	62·6	17·00	0·23	0·1	
LEEDS - - -	21,572	259,527	12·0	124	114	84·0	50·0	61·1	16·17	0·53	1·1	
SHEFFIELD - - -	23,630	247,378	10·8	159	113	82·5	50·0	59·0	15·00	0·75	1·1	
HULL - - -	3,582	130,869	36·7	84	43	82·0	47·0	59·4	15·22	0·20	0·1	
SUNDERLAND - -	8,306	100,979	30·5	37	35	—	—	—	—	—	—	
NEWCASTLE-ON-TYNE	5,836	133,367	25·0	77	66	73·0	51·0	58·6	14·78	0·20	0·1	
EDINBURGH - - -	4,427	378,970	40·4	127	90	72·7	51·0	59·1	15·05	0·60	1·1	
GLASGOW - - -	5,063	468,189	92·5	355	226	74·0	46·0	58·0	14·44	1·67	4·1	
DUBLIN - - -	9,745	321,540	33·0	131	114	78·9	38·5	60·7	15·94	0·16	0·1	
PARIS - - -	7,802	1,899,842	242	—	1119	—	—	—	—	—	—	
				Week ending 2 July 1870.	Week ending 2 July 1870.				Week ending 2d July 1870.			
VIENNA - - -	3,728*	622,087	167	—	369	—	—	60·6	15·88	—	—	
				Week ending 7 July 1870.	Week ending 7 July 1870.				Week ending 7th July 1870.			
BERLIN - - -	6,253	800,000	128	531	610	—	—	64·2	17·88	—	—	

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 9th day of July 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include										
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.
Total of 17 TOWNS -	24	2844	937	447	15	52	182	9	49	94	364	87	140
LONDON - - -	24	1497	523	211	13	41	104	3	24	41	258	39	67
PORTSMOUTH - -	14	32	9	4	—	—	2	—	—	2	6	2	2
NORWICH - - -	24	38	9	12	—	—	3	—	2	—	2	3	2
BRISTOL - - -	32	106	23	13	—	2	18	—	3	1	10	3	5
WOLVERHAMPTON -	14	20	6	2	—	—	—	—	—	1	1	—	2
BIRMINGHAM - -	16	112	41	18	—	—	6	—	1	3	10	4	5
LEICESTER - - -	23	43	19	9	—	1	—	1	—	2	3	—	1
NOTTINGHAM - -	23	40	12	8	—	—	2	—	—	—	1	1	4
LIVERPOOL - - -	26	257	85	57	—	3	13	—	11	12	15	19	23
MANCHESTER - -	25	177	52	29	—	1	3	—	3	3	18	—	3
SALFORD - - -	27	64	20	12	—	—	2	—	—	6	8	1	1
BRADFORD - - -	32	87	23	11	—	1	10	2	1	4	1	1	—
LEEDS - - -	23	114	31	20	—	2	4	—	1	8	11	6	7
SHEFFIELD - - -	24	113	32	7	—	—	8	1	2	3	10	7	11
HULL - - -	17	43	14	11	—	—	7	2	—	1	7	1	1
SUNDERLAND - -	18	35	9	5	—	—	—	—	2	3	1	—	1
NEWCASTLE-ON-TYNE	26	63	19	13	2	1	—	—	—	4	4	—	5
DUBLIN - - -	17	114	13	21	—	2	5	—	1	10	3	1	1

TABLE 5.—DEATHS in LONDON Registered in the TWENTY-SEVENTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Twenty-seventh Week (in the 10 years 1860-69.)	In the Week ending Saturday, July 9, 1870.								CAUSES OF DEATH.		Averages of the Twenty-seventh Week (in the 10 years 1860-69.)	In the Week ending Saturday, July 9, 1870.									
			Deaths of Persons of the Ages											Deaths of Persons of the Ages									
			ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.					ALL AGES.	Under 20.		40.	60.	80.	80 Years and upwards.			
				Mean Tem.	0-5.										5-20.	Mean Tem.							0-5.	5-20.
Mean Temperature	-	60°1	65°0	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	-	60°1	65°0	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				
ALL CAUSES																							
ALL CAUSES		-	1232°9	1497	813	115	171	187	177	34													
SPECIFIED CAUSES																							
SPECIFIED CAUSES		-	1217°8	1494	813	114	170	186	177	34													
ZYMOTIC DISEASES.																							
ORDER 1.																							
Small-pox		-	16°2	13	5	4	2	2	-	-	9. Stricture of Intestines		-	°9	-	-	-	-	-				
Measles		-	42°2	41	40	1	-	-	-	-	10. Fistula		-	°3	-	-	-	-	-				
Scarlet Fever (Scarlatina)		-	45°8	104	69	31	4	-	-	-	11. Stomach Disease, &c.		-	6°8	10	8	1	-	-				
Diphtheria		-	°5	-	3	-	-	-	-	-	12. Pancreas Disease, &c.		-	°6	-	-	-	-	-				
Quincy		-	1°7	-	-	-	-	-	-	-	13. Hepatitis		-	3°9	2	-	-	-	-				
Croup		-	12°4	9	6	3	-	-	-	-	14. Jaundice		-	4°3	1	-	-	-	-				
Whooping-cough		-	40°0	24	23	1	-	-	-	-	15. Liver Disease, &c.		-	15°8	18	-	4	8	4				
Typhus		-	46°2	21	2	2	3	1	1	-	16. Spleen Disease, &c.		-	°2	-	-	-	-	-				
Enteric or Typhoid Fever		-	46°2	21	2	2	3	1	1	-													
Simple continued Fever		-	-	11	3	4	-	-	-	-													
Erysipelas		-	5°6	6	4	1	-	-	-	-													
Puerperal Fever (Metria)		-	3°0	-	-	-	-	-	-	-													
Carbuncle		-	1°6	-	-	-	-	-	-	-													
Influenza		-	°2	-	-	-	-	-	-	-													
Dysentery		-	°2	2	-	-	-	-	-	-													
Diarrhoea		-	100°0	258	234	1	3	6	12	2													
Simple Cholera		-	6°8	10	9	-	-	-	-	-													
Ague		-	°2	1	-	-	-	-	-	-													
Remittent Fever		-	1°0	2	-	-	1	1	-	-													
Rheumatism		-	6°9	7	-	2	2	2	1	-													
Other Zymotic Diseases		-	°1	1	1	-	-	-	-	-													
ORDER 2.																							
Syphilis		-	6°4	11	11	-	-	-	-	-													
Stricture of Urethra		-	1°1	2	-	-	-	1	1	-													
Hydrophobia		-	°2	-	-	-	-	-	-	-													
Glanders		-	-	-	-	-	-	-	-	-													
ORDER 3.																							
Privation		-	°6	-	-	-	-	-	-	-													
Want of Breast-milk		-	9°9	-	15	15	-	-	-	-													
Erysipelas and Scurvy		-	1°6	1	1	-	-	-	-	-													
Alco-| Del. Tremens		-	2°3	1	-	-	1	-	-	-													
Alco-| b Intemperance		-	1°3	-	-	-	-	-	-	-													
ORDER 4.																							
Thrush		-	4°4	3	3	-	-	-	-	-													
Worms, &c.		-	°1	-	-	-	-	-	-	-													
CONSTITUTIONAL DIS.																							
ORDER 1.																							
Gout		-	1°8	2	-	-	-	1	1	-													
Dropsy		-	15°4	17	2	1	4	2	7	1													
Cancer		-	25°9	33	1	-	5	15	10	2													
Cancerum Oris (Noma)		-	°4	1	1	-	-	-	-	-													
Mortification		-	3°3	2	-	-	-	2	-	-													
ORDER 2.																							
Scorfula		-	9°1	8	7	1	-	-	-	-													
Tabes Mesenterica		-	22°5	42	40	2	-	-	-	-													
Phthisis		-	153°5	141	11	12	72	39	7	-													
Hydrocephalus		-	23°7	26	22	3	-	1	-	-													
I. LOCAL DISEASES.																							
ORDER 1.																							
Cephalitis		-	11°6	25	15	4	3	2	1	-													
Apoplexy		-	30°7	24	6	1	1	5	10	1													
Paralysis		-	20°5	33	-	-	4	6	20	3													
Insanity		-	1°8	2	-	-	1	1	-	-													
Chorea		-	-	-	-	-	-	-	-	-													
Epilepsy		-	6°1	2	-	1	-	-	-	-													
Convulsions		-	44°3	48	2	46	2	-	-	-													
Brain Disease, &c.		-	16°4	23	7	3	2	4	7	-													
ORDER 2.																							
Pericarditis		-	2°1	4	1	-	2	1	-	-													
Aneurism		-	2°4	1	-	-	1	-	-	-													
Heart Disease, &c.		-	48°2	63	2	8	16	18	16	3													
ORDER 3.																							
Laryngitis		-	3°6	5	2	1	-	-	-	-													
Bronchitis		-	60°0	59	23	2	1	12	20	1													
Pleurisy		-	2°3	5	4	-	-	-	-	-													
Pneumonia		-	46°9	43	24	3	2	11	3	-													
Asthma		-	3°8	7	-	-	1	3	8	-													
Lung Disease, &c.		-	8°8	13	8	1	1	1	2	-													
ORDER 4.																							
Gastritis		-	1°5	-	-	-	-	-	-	-													
Enteritis		-	7°5	10	8	-	1	-	1	-													
Peritonitis		-	4°8	6	-	2	2	1	-	-													
Ascites		-	3°1	1	-	-	-	-	-	-													
Ulceration of Intestines		-	2°4	2	-	1	-	-	-	-													
Hernia		-	1°7	6	-	-	-	3	3	-													
Jealous		-	2°7	5	1	-	2	1	1	-													
Intussusception		-	°8	1	1	-	-	-	-	-													

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, and from other Zymotic Diseases, during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.
REGISTRARS' SUB-DISTRICTS.																	
LONDON		2,803,989	2026	1497	523	211	13	41	104	3	24	9	21	11	258	39	67
WEST DISTRICTS		458,125	282	239	97	25	1	4	20	-	5	1	3	3	54	4	6
NORTH DISTRICTS		618,210	453	320	95	43	4	11	23	-	2	4	7	2	58	9	20
CENTRAL DISTRICTS		383,321	169	200	45	35	-	10	13	1	2	-	3	-	20	2	9
EAST DISTRICTS		571,168	474	306	123	38	5	7	11	-	7	-	1	3	61	15	23
SOUTH DISTRICTS		773,175	643	432	163	65	3	9	32	2	8	4	7	3	65	9	10
WEST DISTRICTS.																	
St. Mary Paddington WH		39015	31	23	12	3	-	1	1	-	-	-	-	1	3	1	-
St. John Paddington H		36769	13	10	2	2	-	-	-	-	-	-	1	-	1	1	-
Kensington Town W		51910	47	35	14	7	-	-	2	-	-	-	-	-	10	-	3
Brompton H		18198	6	4	1	1	-	-	2	-	-	-	-	-	-	-	-
St. Peter Hammersmith		5415	8	3	1	-	-	-	-	-	-	-	-	-	1	1	-
St. Paul Hammersmith H		19104	14	24	7	3	-	-	2	-	-	-	-	-	7	-	1
Fulham W		15539	22	11	6	-	1	2	-	-	-	-	-	-	1	-	-
Chelsea South H		21654	12	12	4	1	-	-	4	-	-	-	-	-	2	-	-
Chelsea North-west HW		19899	10	13	7	2	-	-	3	-	1	-	-	-	4	-	-
Chelsea North-east		21886	15	13	5	2	-	1	1	-	-	-	-	-	3	-	-
Hanover Square		19773	7	3	1	-	-	-	-	-	-	-	-	-	1	-	-
May Fair W		12885	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgrave H		55113	38	20	5	3	-	-	3	-	1	-	1	-	2	-	-
St. John Westminster H		37483	10	23	15	-	-	-	1	-	-	-	-	1	9	-	-
St. Margaret Westminster WH		30730	20	19	8	-	-	-	-	-	1	1	1	1	3	-	1
St. James's Square		10763	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Golden Square W		13936	3	4	3	-	-	-	-	-	-	-	-	-	-	-	-
Berwick-street		10907	11	7	4	1	-	-	1	-	-	-	-	-	1	1	-
St. Anne Soho		17426	7	4	2	-	-	-	-	-	-	-	-	-	1	-	-
NORTH DISTRICTS.																	
All Souls Marylebone H		29952	15	15	2	-	-	-	3	-	-	-	-	-	-	-	-
Cavendish Square		15090	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Rectory Marylebone W		26992	17	15	5	1	-	-	1	-	-	-	1	-	2	-	-
St. Mary Marylebone H		24493	14	9	4	-	-	-	-	-	-	-	-	-	3	-	-
Christchurch Marylebone		34913	16	21	10	2	-	-	2	-	1	-	1	-	6	-	-
St. John Marylebone		32540	24	14	3	6	-	-	-	-	-	-	1	2	3	-	-
Hamstead WH		19106	11	6	2	1	-	-	-	-	-	-	-	-	2	-	-
Regent's Park Paneras		34927	22	17	8	2	-	1	2	-	-	-	1	-	5	1	2
Tottenham-court WH		29371	12	17	3	4	-	1	1	-	-	-	-	-	2	-	-
Gray's Inn Lane H		27808	17	15	7	1	-	-	1	-	1	-	-	-	4	1	2
Somers Town		39099	15	14	4	1	-	-	1	-	1	-	-	-	3	1	1
Camden Town W		23266	12	17	5	2	-	-	-	-	-	-	-	-	2	2	5
Kentish Town		44317	60	25	12	2	-	-	3	-	-	-	-	-	7	-	-
Islington West* WHH		75442	74	41	8	5	4	4	2	-	-	3	2	-	6	-	3
Islington East WH		79899	75	49	15	6	-	3	9	-	-	-	-	-	9	1	1
Stoke Newington		6698	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill		5493	2	2	1	-	-	-	-	-	-	-	1	-	-	-	-
West Hackney		24265	23	14	3	-	-	2	3	-	-	-	-	-	2	-	-
Hackney WHW		31481	22	19	1	5	-	-	-	-	-	-	-	-	1	1	2
South Hackney L		15468	20	7	2	-	-	-	-	-	-	-	-	-	-	2	2
CENTRAL DISTRICTS.																	
St. George Bloomsbury		17392	14	9	3	3	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH		19483	9	15	3	-	-	-	1	-	-	-	-	-	-	-	3
St. Giles North		17203	6	7	1	-	-	1	-	-	-	-	-	-	1	-	1
Long Acre		11618	7	7	2	1	-	-	-	-	-	-	-	-	-	-	-
Charing Cross WH		11071	10	5	-	1	-	-	-	-	-	-	-	-	1	-	-
St. Mary-le-Strand		10346	3	5	-	3	-	-	1	-	-	-	-	-	-	-	-
St. Clement Danes H		15207	5	11	2	-	-	-	1	1	-	-	-	-	2	-	-
St. George-the-Martyr H		19903	13	20	1	3	-	2	3	-	-	-	1	-	1	-	2
St. Andrew East Holborn W		12947	5	17	4	5	-	1	2	-	-	-	1	-	1	1	1
Saffron Hill		18012	4	6	1	1	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W		19152	14	10	2	3	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell		17259	12	5	2	-	-	1	1	-	-	-	-	-	-	-	-
Pentonville		18079	4	3	1	1	-	-	-	-	-	-	-	-	1	-	-
Goswell-street		16200	6	11	4	4	-	1	-	-	-	-	-	-	4	-	-
Old-street		11504	8	6	1	1	-	-	1	-	-	-	-	-	2	-	-
City-road HL		17860	7	14	10	2	-	-	-	-	-	-	-	-	-	-	-
Whitecross-street		14773	5	5	2	-	-	1	-	-	-	-	-	-	-	-	-
Finsbury		12381	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Botolph East London		20990	11	4	1	2	-	-	-	-	1	-	-	-	-	-	-
Cripplegate		19697	5	6	2	-	-	-	-	-	1	-	-	-	-	-	-
St. Sepulchre WH		11750	3	18	1	1	-	-	1	-	-	-	-	-	1	-	-
St. Bride W		15395	6	2	1	-	-	-	-	-	-	-	-	-	1	-	-
Castle Baynard		7762	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9029	2	7	1	1	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	1	2	-	-	-	-	-	-	-	-	-	-	-	1	1
Allhallows Barking		8659	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Broad Street		11544	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

wh—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
unday, 9th July 1870.

The DEATHS registered in the Week include																	
REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																	
lywell Shoreditch	17313	8	4	-	-	-	1	-	-	1	-	-	-	-	-	-	-
Leonard Shoreditch	19188	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
xtion New Town W	26516	24	12	4	3	-	1	-	-	1	-	-	1	1	-	-	2
xtion Old Town -	23777	19	15	8	3	-	-	-	-	-	-	-	-	-	-	-	-
ggerstone West W	23260	21	23	12	5	-	-	-	-	-	-	-	-	4	-	-	5
ggerstone East	17310	14	10	6	-	-	-	2	-	-	-	-	-	3	-	-	-
ckney-road	26298	27	13	8	-	1	-	-	-	-	-	-	-	2	-	3	-
een, Bethnal Green WHL	31789	39	25	8	5	-	-	1	-	1	-	-	-	5	-	-	-
urch, Bethnal Green	25528	14	9	2	2	-	-	-	-	-	-	-	-	3	-	5	3
wn, Bethnal Green	21466	25	13	6	-	2	-	1	-	-	-	-	-	3	-	-	-
killerv Whitechapel	6557	7	2	1	-	-	-	-	-	-	-	-	-	1	-	1	-
italfields	15700	6	7	2	3	-	-	-	-	-	-	-	-	2	1	2	-
le End New Town W	15392	12	16	5	3	-	-	1	-	-	-	-	-	4	1	-	-
itechapel North	12122	10	4	2	1	-	2	-	-	-	-	-	-	2	-	-	8
itechapel Church H	8062	7	16	1	3	-	-	-	-	-	-	-	-	1	1	1	12
olman's Fields	11166	8	2	-	-	-	-	-	-	-	-	1	-	1	1	1	-
lgate -	9071	5	3	1	1	-	-	-	-	-	-	-	1	-	-	-	-
Mary St. George East	13181	12	11	6	-	-	1	-	-	1	-	-	-	6	-	-	-
Paul St. George East	21015	20	10	4	-	-	1	-	-	-	-	-	-	2	-	1	-
John St. George East W	9695	5	8	3	1	-	-	-	-	-	-	-	-	1	-	-	1
ndwell W -	12337	3	3	2	-	-	-	-	-	-	-	-	-	1	-	-	-
cliff WH	16874	9	9	4	-	-	-	1	-	-	-	-	-	2	1	1	-
nehouse W	27161	20	7	3	-	-	-	-	-	-	-	-	-	1	-	-	-
le End Old Town West	33747	26	13	10	5	-	-	1	-	-	-	-	1	5	-	-	-
le End Old Town East Wto	33817	44	13	5	1	1	-	1	-	1	-	-	-	3	1	1	1
ow WtoL -	35667	50	38	16	3	-	1	1	-	1	-	-	-	5	4	3	7
olar W	43329	34	16	4	3	-	-	2	-	-	-	-	-	2	1	-	4
SOUTH DISTRICTS.																	
istchurch Southwark W	17069	18	7	5	-	-	-	-	-	-	-	-	-	4	-	-	-
Saviour Southwark H	19101	11	8	4	-	-	-	-	-	-	-	1	-	1	1	1	5
at-road	19632	7	9	3	2	-	-	1	-	-	-	-	-	1	-	-	-
ough-road W -	16668	11	8	2	2	-	1	-	1	-	-	-	-	1	-	-	-
odon-road L	19190	12	9	4	3	-	-	-	1	-	-	-	-	3	1	-	2
nity Newington	22675	12	9	4	-	-	1	-	-	-	1	-	-	1	-	-	-
Peter Walworth W	44463	38	35	14	5	-	1	1	-	1	-	1	-	6	-	-	-
Mary Newington H	15082	10	13	4	2	-	-	-	-	-	-	-	-	2	-	-	4
Olave Southwark H	7663	1	10	2	1	-	-	-	-	-	-	-	-	-	1	1	8
John Horsleydown W	11393	12	9	5	-	-	-	-	-	-	1	-	-	2	3	-	-
ther Market	16696	15	11	5	2	-	-	-	-	-	-	-	1	3	1	1	-
Mary Magdalen W -	16305	6	10	6	-	-	-	-	-	-	-	-	-	1	-	-	-
James Bermondsey	23154	42	24	7	3	-	-	-	1	1	1	-	-	3	-	-	-
herhithe W	24502	9	7	4	-	-	-	-	-	-	-	-	1	3	-	-	1
terloo-road 1st	15269	15	11	6	-	-	-	-	1	-	-	-	-	2	-	-	-
terloo-road 2nd H -	18640	15	10	4	-	1	-	-	-	-	-	-	-	2	-	-	-
abeth Church 1st	19839	14	18	7	3	-	2	-	-	-	-	1	-	3	-	-	2
abeth Church 2nd W	20442	33	28	14	4	-	-	-	-	-	-	-	-	5	2	2	-
nington 1st	30755	31	5	3	-	-	-	1	-	1	-	-	-	5	3	3	11
nington 2nd	20440	20	12	4	2	1	-	-	-	-	-	-	-	2	1	-	-
xtion	20067	20	12	3	3	-	-	-	-	-	-	-	-	2	1	1	-
wood W	7462	3	4	1	2	-	-	1	-	-	-	-	-	-	-	-	-
ham	20894	12	7	1	1	1	1	-	-	-	-	1	-	-	-	-	-
tersea W	19800	37	27	17	1	-	3	-	-	1	1	1	-	5	-	-	1
ndsworth L	13346	8	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-
ney	6481	5	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
atham	10082	6	5	1	2	-	-	1	-	-	-	-	-	-	-	-	-
wich	1723	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
berwell W L	21297	17	14	3	4	-	-	-	-	-	-	1	-	2	-	-	3
ham W	28135	19	10	2	2	-	-	1	-	-	-	-	-	-	-	-	-
George Camberwell	20833	18	13	7	-	-	-	2	-	-	-	-	-	4	-	-	-
Paul Deptford	37394	49	16	6	2	-	1	2	-	1	-	-	-	1	-	-	-
Nicholas Deptford	8139	1	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
unwich West H	21696	14	8	3	1	-	-	3	-	-	-	1	-	-	-	-	-
unwich East WH	18306	14	15	4	8	-	-	-	-	-	-	-	-	3	-	-	8
am	3009	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
isham Village W	11093	10	4	2	-	-	-	2	-	-	-	-	1	-	-	-	-
unham	7372	4	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
unham	10595	24	5	-	2	-	-	-	-	-	-	-	-	-	-	-	-
lton H	9276	4	5	-	1	-	2	-	-	-	-	-	-	-	-	-	-
lwich Dockyard H	22919	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
lwich Arsenal H	18776	16	6	3	-	-	2	-	-	-	-	-	-	-	-	-	-
instead, West	24502	9	4	1	1	-	-	1	-	1	-	-	-	1	-	-	-
instead, East		17	4	1	-	-	-	-	1	-	1	-	-	1	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh.	is in Chelsea North-west sub-district.	Holborn Workhouse	is in Hoxton New Town sub-district.
The Strand	"	Tottenham-court	sub-district.
London City	"	Islington East.	"
Do. do.	"	Hackney sub-district.	"
			(Mile End Old Town Eastern sub-dist. and Bow sub-district.
		Stepney - f., "	Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7. — METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 9th JULY, 1870.
[Under the Superintendence of the Astronomer Royal.]

[illegible]

NOTES.

The height of the cistern of the barometer is considered to be 139 feet above the mean level of the river. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer, and the observations are taken at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m. The means of the readings of the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part I. 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1883, December 31. In reading the 7th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital, Ship ceasing to be used as an hospital.

The reading of the barometer decreased to 29.79 in. at the beginning of the week to 29.65 in. by 9h. a.m. on the 4th; increased to 29.83 in. by noon on the 5th; decreased to 29.74 in. by 9h. a.m. on the same day; increased to 29.97 in. by 9h. a.m. on the 7th; and decreased to 29.64 in. by 9h. p.m. on the end of the week.

SKY AND ATMOSPHERE.

JULY.	3	Generally overcast throughout the day.
SUNDAY	4	Large amounts of cloud were prevalent throughout the day. A little rain fell during the early morning.
MONDAY	5	Overcast throughout. Occasional thin rain.
TUESDAY	6	Generally cloudy till the evening, then variable. Rain fell during the morning hours.
WEDNESDAY	7	Small amounts of cloud prevalent, principally cirrus and cumulus. A very fine day.
THURSDAY	8	Light clouds were prevalent till evening; after 6h. p.m. becoming denser, and a little thin rain fell.
FRIDAY	9	The amount of cloud was generally large during the morning; variable in the afternoon; and large at night. Several flashes of lightning were observed about 10h. p.m. A little rain fell during the early morning.
SATURDAY		

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 28. 1870. VOL. XXXI.]

WEEK ENDING SATURDAY, JULY 16.

[Price 1d.]

*General Register Office, Somerset House,
18th July 1870.*

DURING the week ending Saturday the 16th instant, 4587 *births* and 3152 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 23 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow:—Liverpool 23 per 1000, Bradford 26, Manchester 20, Salford 22, London 23, Birmingham 18, Newcastle-upon-Tyne 24, Leeds 28, Portsmouth 13, Sheffield 22, Hull 12, Wolverhampton 16, Bristol 28, Nottingham 31, Sunderland 19, Leicester 29, Norwich 24.

In Edinburgh the annual rate of mortality last week was 25 per 1000 persons living, in Glasgow 21 per 1000, and in Dublin 17. In Paris the deaths registered during the week ending last Saturday were at the annual rate of 32 per 1000 persons living. The reported deaths from small-pox were 225, as compared with 267, 210, 238, and 238, in the preceding four weeks: the aggregate of victims to this malady during the last 28 weeks now amounts to 3674, or nearly twice as many as have died from the same cause in London in any year since 1838. In Berlin the annual rate of mortality during the week ending the 14th instant was 33 per 1000. In the City of Bombay the deaths registered during the two weeks ending 14th and 21st of June were 269 and 235 respectively, and the mortality was at the annual rate of 17 and 16 per 1000.

In LONDON the *births* of 1072 boys and 1059 girls, in all 2131 children, were registered last week. The *deaths* registered in the same time were 1498. During the corresponding weeks of ten previous years the registered births averaged 1943 and the deaths 1279 per week; after making due allowance for increase of population, the average for the past week is estimated at 2137 births and 1407 deaths; the registered births, therefore, were 6 below, and the deaths 91 above, the estimated average.

Zymotic diseases caused 553 deaths, including 11 from small-pox, 31 from measles, 85 from scarlet fever, 7 from diphtheria, 10 from croup, 31 from whooping-cough, 14 from typhus, 18 from enteric (or typhoid) fever, 7 from simple continued fever, 7 from erysipelas, and 259 from diarrhoea.

From "simple cholera" and choleraic diarrhoea 19 deaths at ages under 5 years, and 3 at ages above 5 years were returned. Of the 259 fatal cases of diarrhoea, 220 occurred to infants in their first year of life.

In reference to the death at 17 Great Earl-street, St. Giles, on 8th July, of the daughter of a commercial traveller, from "diarrhoea, convulsions," the registrar remarks: "This is one of the worst houses in my district; the drainage is fearful. I am only surprised that any human being can live in the house."

Forty-seven deaths resulted from violence: of these 40 were accidental, including 18 by fractures, 3 by burns or scalds, 6 by drowning, and 5 by suffocation. Five suicides were registered.

In the Mile-end New Town workhouse, a clerk, aged 57 years, died on 3d July, of "effusion on brain from want of common necessaries of life;" and a labourer, aged 30 years, also died there on 4th July, of "exhaustion from want of common necessaries of life."

Three deaths from sunstroke occurred during the week,—to a male aged 39 years, a female aged 19 years, and a girl aged 8 years; in the latter instance the cause of death is stated to have been “supposed sunstroke,” according to the opinion of the medical man called in after death. A bricklayer’s labourer, aged 43 years, died on 11th July, in Bath Street, Albany Road, of “supposed epileptic fit, 1 hour;” the cause of death is given as the opinion of the medical man who saw the body after death. No inquest appears to have been held in this case or in that of the girl previously noted as dying from sunstroke; both these deaths, from causes not certified, occurred in the sub-district of St. George, Camberwell.

Four fatal accidents caused by horses or vehicles in the streets were returned last week; a boy, aged 10 years was killed in Leader Street, Chelsea, on 11th July, by being run over by a van; a dairyman, aged 59 years, died on 1st July in Gower Street, of concussion of brain from being run over by a runaway horse and cart; a beggar, aged 66 years, died on 11th July in the London Hospital, of shock from being run over by a cart; a fish hawkers, aged 50 years, was knocked down and killed by a van in King William Street, City, on 6th July.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·692 in.; the highest was 29·92 in. on Thursday, and the lowest was 29·50 in. on Monday. The mean temperature of the *air* was 65°·7, or 3°·5 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 85°·0 on Friday; the lowest night temperature was 52°·0 on Friday; the entire range of temperature in the week was, therefore, 33°·0. The highest temperature in the sun was 151°·4 on Saturday. The mean temperature was above the average on every day in the week, the excess being greatest on Sunday and Friday. The difference between the mean *dew-point* temperature and *air* temperature was 11°·3. The mean degree of *humidity* of the air was 67, complete saturation being represented by 100. *Rain* fell on four days in the week to the amount of 0·80 in. The general direction of the *wind* was W.S.W., and the horizontal movement of the air amounted to 8 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 59°·5 in Liverpool and Salford, to 64°·8 in Leicester; the lowest recorded night temperature was 46°·0 in Sheffield, and the highest day temperature in the shade was 85°·5 in Leicester. No rain fell in Sheffield, Bradford, Leicester, or Newcastle-upon-Tyne; in Leeds, Manchester, and Birmingham 0·01 in., at Bristol 0·79 in., and at Norwich 1·14 in. fell.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 18°·7; the highest day temperature in the shade was 29°·4; the lowest night temperature was 11°·1; the highest temperature in the sun was 66°·3. The mean temperature of the week on an average of 50 years was 16°·8, or 1°·9 below the temperature of last week. The wind blew at the rate of 12·8 kilometers an hour, and the rain-fall was 2·03 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 213,994 cubic metres, and at Barking 180,835 cubic metres, equivalent to about as many tons by weight.

A large quantity of the north muddy foreshore of the Thames has been recovered, and replaced by a fine public road, extending along the Victoria Embankment from Westminster to Blackfriars bridge. The road was opened to the public by the Prince of Wales on July 13th. It is 100 feet wide, and its ample footways, with the eight acres of ornamental grounds, will afford additional playgrounds to the half million of London children who are now so frequently killed and crushed in the streets. Within the Embankment and forming part of its structure is lodged the low-level intercepting sewer, which will drain, when completed, Chelsea, Hammersmith, and the lower parts of London north of the river. It is satisfactory to know, that this grand public work will promote the health of the people.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTY-EIGHTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1863	1869	Average of 10 Weeks.	1870
TOTAL Births	1754	1902	1707	1983	1874	1928	1963	2127	2143	2051	1943·2	2131
Males . .	935	945	882	989	955	984	987	1061	1111	1030	987·9	1072
Females .	819	957	825	994	919	944	976	1066	1032	1021	955·3	1059
TOTAL Deaths	1015	1106	1065	1287	1300	1392	1540	1262	1505	1313	1278·5	1498
Males . .	553	553	561	659	667	775	829	696	774	685	675·2	777
Females .	462	553	504	628	633	617	711	566	731	628	603·3	721

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Apr. 23.	Apr. 30.	May 7.	May 14.	May 21.	May 28.	June 4.	June 11.	June 18.	June 25.	July 2.	July 9.	July 16.
TOTAL Deaths - - -	1487	1394	1314	1426	1313	1239	1232	1273	1292	1282	1359	1497	1498*
Deaths under 5 years of age -	611	538	515	589	544	515	432	542	544	575	632	813	765
Deaths 5—20 - - -	119	109	95	112	119	95	125	105	112	124	114	115	128
Deaths 20—40 - - -	208	220	199	215	195	193	206	208	177	173	161	171	183
Deaths 40—60 - - -	252	233	242	230	199	206	205	201	209	188	189	187	187
Deaths 60—80 - - -	254	234	219	238	208	196	176	186	208	184	182	177	178
Deaths at 80 years & upwards	52	55	44	42	48	34	38	31	42	38	30	34	52
Deaths from Small-pox -	10	3	9	6	19	11	12	8	7	11	12	13	11
" " Measles - - -	32	32	49	42	36	31	34	53	36	51	42	41	31
" " Scarlet Fever -	77	68	74	76	81	90	91	103	100	95	80	104	85
" " Diphtheria -	3	6	1	3	5	3	7	4	7	4	6	3	7
" " Whooping-cough	51	61	33	43	35	28	24	33	25	27	28	24	31
" " Typhus fever -	10	13	8	7	7	8	3	4	16	7	8	9	14
" " Enteric (or Ty- phoid) fever -	18	15	11	15	14	13	17	8	16	21	12	21	18
" " Simple Contagious fever -	10	11	12	11	12	11	14	14	15	6	7	11	7
" " Diarrhoea -	17	13	14	14	17	13	22	34	56	86	192	258	259
" " Simple Cholera -	—	—	—	—	—	—	1	1	—	2	12	10	22
" " Phthisis -	173	193	188	200	165	179	173	181	161	145	149	141	142
" " Bronchitis -	176	133	123	136	116	98	85	75	80	61	56	59	61
" " Pneumonia -	91	86	67	59	65	57	57	61	50	48	41	43	34
" " Heart Disease -	78	64	51	70	59	52	70	43	60	57	60	63	66
Mean Temperature of the Air	55·0	47·7	45·6	49·3	59·8	56·6	53·1	58·0	64·6	63·8	57·7	65·0	65·7
Mean Temperature of the Water of the Thames -	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	61	76	76	83	69	69	77	68	68	66	71	72	67
Rain-fall in inches - -	0·00	0·13	0·02	0·37	0·04	0·00	0·16	0·00	0·15	0·12	0·16	0·12	0·80

* The returns for the sub-districts of Berwick-street (Westminster St. James) and St. Mary-le-Strand were not received when the tables were under preparation, but averages of 6 and 4 respectively, derived from the returns of six previous weeks, are inserted.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, the having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackerech, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filitz, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 16th day of July 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 16th July.	DEATHS registered during the Week ending 16th July.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	4587	3152	85·5	46·0	61·9	16·61	0·28	0·71
LONDON - - -	77,997	3,214,707	41·2	2131	1498	85·0	52·0	65·7	18·72	0·80	2·03
PORTSMOUTH - -	9,513	122,084	12·8	74	31	75·5	52·4	62·9	17·17	0·14	0·35
NORWICH - - -	7,472	81,087	10·9	40	38	78·5	54·0	64·2	17·89	1·14	2·89
BRISTOL - - -	4,688	171,382	36·6	124	92	78·1	50·8	60·3	15·72	0·79	2·01
WOLVERHAMPTON -	3,887	72,990	21·5	42	22	79·4	49·1	62·5	16·94	0·06	0·15
BIRMINGHAM - -	7,831	369,604	47·2	225	124	79·7	49·6	62·6	17·00	0·01	0·03
LEICESTER - - -	3,200	97,427	30·4	79	55	85·5	49·7	64·8	18·22	0·00	0·00
NOTTINGHAM - -	1,996	88,888	44·5	40	52	81·7	47·0	63·7	17·61	0·13	0·33
LIVERPOOL - - -	5,108	517,567	101·3	333	224	73·2	50·2	59·5	15·28	0·12	0·30
MANCHESTER - -	4,486	374,093	83·6	253	146	79·5	47·8	61·3	16·28	0·01	0·03
SALFORD - - -	5,172	121,580	23·5	90	51	78·4	46·9	59·5	15·28	0·02	0·05
BRADFORD - - -	6,590	143,197	21·7	84	70	81·0	51·2	63·1	17·23	0·00	0·00
LEEDS - - -	21,572	259,527	12·0	132	138	82·0	51·0	63·7	17·61	0·01	0·03
SHEFFIELD - - -	22,830	247,378	10·8	151	104	78·0	46·0	62·6	17·00	0·00	0·00
HULL - - -	3,562	130,869	36·7	67	32	—	—	—	—	—	—
SUNDERLAND - -	3,306	100,979	30·5	48	37	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,387	25·0	72	62	72·0	51·0	59·8	15·44	0·00	0·00
EDINBURGH - - -	4,427	178,970	40·4	117	85	72·7	53·0	60·7	15·94	1·00	2·54
GLASGOW - - -	5,063	468,189	92·5	309	186	67·8	47·5	59·1	15·05	0·26	0·66
DUBLIN - - -	9,745	321,540	33·0	167	105	71·7	46·0	59·0	15·00	0·54	1·37
PARIS - - -	7,802	1,889,842	242	—	1150	—	—	—	—	—	—
				Week ending 9 July 1870.	Week ending 9 July 1870.	Week ending 9th July 1870.					
VIENNA - - -	3,728*	622,087	167	—	—	—	—	—	—	—	—
				Week ending 14 July 1870. 533	Week ending 14 July 1870. 501	Week ending 14th July 1870.					
BERLIN - - -	6,253	800,000	128	—	—	—	—	59·2	15·12	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 16th day of July 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
Total of 17 TOWNS -	23	2776	981	440	15	39	153	11	57	79	425	87	150	347
LONDON - - -	23	1498	523	229	11	31	85	7	31	39	259	47	81	213
PORTSMOUTH - - -	13	31	12	5	-	-	-	-	-	1	8	1	2	5
NORWICH - - -	24	38	11	10	-	-	3	-	2	3	3	1	4	4
BRISTOL - - -	28	92	32	16	-	1	13	-	2	4	11	5	6	6
WOLVERHAMPTON - -	16	22	6	7	-	-	-	-	-	1	-	-	-	1
BIRMINGHAM - - -	18	124	36	25	-	-	6	3	2	5	17	4	8	12
LEICESTER - - -	29	55	22	8	-	-	1	-	1	-	7	1	2	7
NOTTINGHAM - - -	31	52	24	7	-	-	2	-	-	-	10	2	3	10
LIVERPOOL - - -	23	224	85	35	-	2	11	1	9	5	28	12	20	31
MANCHESTER - - -	20	146	47	22	2	-	1	-	2	6	19	4	6	28
SALFORD - - -	22	51	19	8	-	-	4	-	-	2	7	1	3	3
BRADFORD - - -	26	70	23	6	1	3	4	-	1	5	7	-	2	6
LEEDS - - -	28	138	54	17	1	2	6	-	2	5	19	4	6	8
SHEFFIELD - - -	22	104	42	15	-	-	17	-	3	1	17	1	1	1
HULL - - -	12	32	8	11	-	-	-	-	-	-	3	2	2	5
SUNDERLAND - - -	19	37	13	9	-	-	-	-	1	-	4	1	1	2
NEWCASTLE-ON-TYNE -	24	62	24	10	-	-	-	-	1	2	6	1	3	5
DUBLIN - - -	17	105	15	25	-	1	6	-	2	3	-	4	6	37

TABLE 5.—DEATHS in LONDON Registered in the TWENTY-EIGHTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Twenty-eighth Week in the 10 years 1860-69.	In the Week ending Saturday, July 16, 1870.							CAUSES OF DEATH.		Averages of the Twenty-eighth Week in the 10 years 1860-69.	In the Week ending Saturday, July 16, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.		40 and under 60.	60 and under 80.	80 Years and upwards.	ALL AGES.				Under 20.		40 and under 60.	60 and under 80.	80 Years and upwards.		
				Mean Tem.	0-5. 5-20.								Mean Tem.	0-5. 5-20.					
Mean Temperature	-	62.5	65.7	0-5. 5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	-	62.5	65.7	0-5. 5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES		1278.5	1498†	759	127	187	186	177	52	9. Stricture of Intestines		1.2	-	-	-	-	-		
SPECIFIED CAUSES		1266.5	1478	753	126	186	186	175	52	10. Fistula		1.3	-	-	-	-	-		
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		7.0	5	-	1	1	1		
ORDER 1.										12. Pancreas Disease, &c.		2.9	-	-	-	-	-		
Small-pox		16.5	11	5	4	2	-	-	-	13. Hepatitis		3.4	8	-	3	4	1		
Measles		38.3	31	30	1	-	-	-	-	14. Jaundice		2.9	5	1	-	-	1		
Scarlet Fever (Scarlatina)		49.8	85	49	35	2	1	-	-	15. Liver Disease, &c.		13.9	12	-	1	2	6		
Diphtheria		9.1	7	2	3	2	-	-	-	16. Spleen Disease, &c.		3	1	-	1	-	-		
Quincy		1.3	1	1	-	-	-	-	-	ORDER 5.									
Croup		11.1	10	9	1	-	-	-	-	1. Nephritis		9	3	-	1	-	2		
Whooping-cough		41.0	31	29	2	-	-	-	-	2. Ischuria		2	-	-	-	-	-		
Typhus		14	14	4	6	5	2	1	-	3. Bright's Disease (Nephria)		6.6	8	-	3	3	2		
Enteric or Typhoid Fever		46.2	18	4	6	5	2	2	-	4. Diabetes		1.2	2	-	2	-	-		
Simple continued Fever		3.1	4	2	2	1	2	2	-	5. Calculus (Stone)		8	1	-	-	-	1		
Erysipelas		5.4	7	5	1	-	1	2	-	6. Cystitis		1.0	2	-	-	-	1		
Puerperal Fever (Metria)		2.0	3	-	-	2	1	-	-	7. Kidney Disease, &c.		7.2	8	-	-	2	5		
Carbuncle		1.1	3	1	-	2	-	-	-	ORDER 6.									
Influenza		1	2	-	-	-	-	-	-	1. Ovarian Dropsy		7	2	-	-	1	1		
Dysentery		3.1	4	2	-	1	1	-	-	2. Uterus Disease, &c.		3.8	4	-	1	2	1		
Diarrhœa		125.9	259	242	8	1	2	9	2	ORDER 7.									
Simple Cholera		10.5	22	19	1	-	1	1	-	1. Synovitis (Arthritis)		2	-	-	-	-	-		
Ague		5	-	-	-	-	-	-	-	2. Joint Disease, &c.		3.0	4	-	3	-	1		
Remittent Fever		1.1	-	-	-	-	-	-	-	ORDER 8.									
Rheumatism		7.2	7	-	1	5	-	1	-	1. Phlegmon		1.9	2	-	-	2	-		
Other Zymotic Diseases		1	-	-	-	-	-	-	-	2. Ulcer		1.3	3	2	-	-	-		
ORDER 2.										3. Skin Disease, &c.		1.1	2	2	-	-	-		
Syphilis		7.9	7	6	-	1	-	-	-	IV. DEVELOPMENTAL DISEASES.									
Stricture of Urethra		7	-	-	-	-	-	-	-	ORDER 1.									
Hydrophobia		-	-	-	-	-	-	-	-	1. Premature Birth		19.3	14	14	-	-	-		
Glanders		-	-	-	-	-	-	-	-	2. Cyanosis		1.7	-	-	-	-	-		
ORDER 3.										3. Spina Bifida		1.2	3	3	-	-	-		
Privation		2	2	-	-	1	1	-	-	4. Other Malformations		2.1	2	2	-	-	-		
Want of Breast-milk		10.8	13	13	-	1	-	-	-	5. Teething		12.6	13	13	-	-	-		
Purpura and Scurvy		1.7	3	2	-	-	-	-	-	ORDER 2.									
Alcohol & Del. Tremens		1.6	-	-	-	-	-	-	-	1. Puerperia		2	1	-	-	1	-		
Polis & Intemperance		1.1	2	-	-	1	1	-	-	2. Childbirth (see Puer- peral Fever)		5.8	6	-	5	1	-		
ORDER 4.										ORDER 3.									
Thrush		3.4	6	6	-	-	-	-	-	1. Old Age		40.0	48	-	-	-	15		
Worms, &c.		3	-	-	-	-	-	-	-	ORDER 4.									
CONSTITUTIONAL DIS.										1. Atrophy and Debility		73.0	84	75	-	1	8		
ORDER 1.										V. VIOLENT DEATHS, &c.									
Gout		9	2	-	-	-	2	-	-	ORDER 1.									
Consumption		10.4	8	3	-	1	3	1	-	(ACCIDENT OR NEGLIGENCE.)									
Cancer		26.9	51	-	1	11	32	7	-	1. Fractures and Contusions		16.6	18	-	4	5	7		
Cancerum Oris (Noma)		7	-	-	-	-	-	-	-	2. Wounds		6	2	-	-	-	1		
Mortification		2.9	6	-	-	-	1	2	3	3. Burns and Scalds		2.7	3	2	-	-	-		
ORDER 2.										4. Poison		4	1	-	-	1	-		
Scrofula		11.2	8	3	1	2	-	2	-	5. Drowning		7.9	6	-	5	1	-		
Tuberc Mesenterica		25.6	37	32	3	-	2	-	-	6. Suffocation		4.7	5	4	-	-	1		
Phthisis		155.8	142	12	15	79	27	9	-	7. Otherwise		2.2	5	1	2	2	-		
Hydrocephalus		27.8	23	20	3	-	-	-	-	ORDER 3.									
LOCAL DISEASES.										(HOMICIDE.)									
ORDER 1.										1. Murder and Manslaughter		2.6	2	2	-	-	-		
Cephalitis		16.4	24	18	3	2	1	-	-	ORDER 4.									
Apoplexy		29.8	35	7	-	4	10	12	2	(SUICIDE.)									
Paralysis		23.1	24	-	-	1	7	15	1	1. Wounds { Gunshot		5	1	-	-	-	1		
Insanity		1.3	1	-	-	1	-	-	-	2. Cut, Stab		1.2	2	-	-	-	-		
Chorea		3	1	-	1	-	-	-	-	3. Poison		1.1	1	-	-	1	-		
Epilepsy		6.1	7	1	2	3	1	-	-	3. Drowning		1.5	1	-	-	1	-		
Convulsions		41.4	44	43	1	-	-	-	-	4. Hanging		1.5	-	-	-	-	-		
Brain Disease, &c.		18.7	16	5	1	-	7	3	-	5. Otherwise		2	-	-	-	-	-		
ORDER 2.										ORDER 5.									
Pericarditis		1.9	3	1	-	1	1	-	-	(EXECUTION.)									
Aneurism		2.7	4	-	-	1	2	1	-	1. Hanging		-	-	-	-	-	-		
Heart Disease, &c.		50.8	66	2	8	15	17	21	3	Violent Deaths (not classed)		2	-	-	-	-	-		
ORDER 3.										Sudden Deaths (Cause un- ascertained)		4.3	2	-	1	-	1		
Laryngitis		5.1	2	1	-	1	-	-	-	Causes not specified or ill- defined		7.7	18†	6	-	1	1		
Bronchitis		68.9	61	23	1	1	10	25	1										
Pleurisy		2.6	3	1	-	1	1	-	-										
Pneumonia		45.4	34	20	2	2	6	3	1										
Asthma		4.8	2	-	-	-	2	-	-										
Lung Disease, &c.		10.2	6	5	-	-	1	-	-										
ORDER 4.																			
Gastritis		1.8	1	-	-	-	1	-	-										
Enteritis		8.6	6	4	1	-	-	-	-										
Peritonitis		4.4	6	2	2	-	1	1	-										
Ascites		2.3	3	-	-	-	1	2	-										
Ulceration of Intestines		3.1	5	-	-	1	2	2	-										
Hernia		2.6	1	-	-	-	1	-	-										
Leucæmia		3.5	2	1	-	-	-	1	-										
Intussusception		6	1	-	-	-	-	-	-										

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

† An average of 10 is added without distinction of ages. See note *, page 235.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, and from other Zymotic Diseases, during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															
					Under 1 Year of Age.	90 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.			
LONDON		2,803,989	2131	1498	523	229	11	31	85	7	31	14	18	7	259	47	81			
WEST DISTRICTS		458,125	338	239	80	35	1	6	16	2	4	1	4	-	39	8	14			
NORTH DISTRICTS		618,210	493	311	106	50	4	8	20	1	6	8	4	-	55	8	13			
CENTRAL DISTRICTS		383,321	293	179	51	29	1	5	12	-	3	1	-	-	31	5	9			
EAST DISTRICTS		571,158	446	333	129	49	3	8	9	1	7	3	5	2	62	12	22			
SOUTH DISTRICTS		773,175	651	445	157	66	2	4	23	3	11	1	5	5	72	14	24			
WEST DISTRICTS.																				
St. Mary Paddington WH		39015	23	20	7	1	-	-	1	-	-	-	1	-	3	-	2			
St. John Paddington H		36759	14	6	1	-	-	1	-	-	-	-	-	-	-	-	1			
Kensington Town W		51910	70	34	17	6	-	1	2	1	1	-	-	-	11	3	3			
Brompton H		18198	8	6	3	2	-	-	-	-	-	-	-	-	-	-	-			
St. Peter Hammersmith		5415	-	3	1	-	-	1	-	-	-	-	-	-	-	-	-			
St. Paul Hammersmith H		19104	32	15	12	-	-	1	-	-	1	1	-	-	7	-	-			
Fulham W		15539	25	8	2	-	-	1	-	-	-	-	-	-	1	-	1			
Chelsea South H		21454	20	14	2	5	-	-	4	-	-	-	-	-	1	-	-			
Chelsea North-west HW		19896	16	27	4	8	-	-	3	-	-	-	-	-	2	1	2			
Chelsea North-east		21886	13	9	4	-	-	-	-	-	-	-	2	-	1	-	-			
Hanover Square		19773	8	6	2	2	-	-	-	-	1	-	-	-	-	-	-			
May Fair W		12885	9	6	2	-	-	-	-	-	1	-	-	-	-	-	-			
Belgrave H		53113	35	25	10	4	-	1	2	-	-	-	-	-	4	2	2			
St. John Westminster H		37483	29	17	4	1	1	1	1	-	-	-	-	-	2	1	1			
St. Margaret Westminster WH		30730	10	14	6	2	-	-	-	-	-	-	-	-	6	-	-			
St. James's Square		10753	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Golden Square W		13966	4	10	4	-	-	-	1	-	1	-	-	-	-	-	-			
Berwick-street		10607	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Anne Soho		17436	10	4	1	2	-	-	-	1	-	-	-	-	-	1	2			
NORTH DISTRICTS.																				
All Souls Marylebone H		20932	18	17	4	4	-	-	1	-	-	-	-	-	4	-	-			
Canvish Square		15090	4	5	1	-	-	-	1	-	-	-	-	-	-	-	-			
Rectory Marylebone W		26692	14	17	10	4	-	-	-	-	1	-	-	-	8	-	-			
St. Mary Marylebone H		22403	25	11	5	1	-	3	-	-	-	1	-	-	2	-	-			
Christchurch Marylebone		34913	19	19	5	4	-	1	1	-	2	-	1	-	2	1	4			
St. John Marylebone		32540	12	7	3	1	-	3	-	-	-	-	-	-	1	-	-			
Hampstead WH		19106	17	10	5	2	-	-	2	-	-	-	-	-	1	-	-			
Regent's Park Pancras		84927	30	14	5	2	-	-	1	-	-	-	-	-	3	1	-			
Tottenham-court WH		29371	13	16	3	5	-	-	-	-	-	-	-	-	2	3	4			
Gray's Inn Lane H		27808	18	16	7	1	-	1	2	1	-	-	-	-	4	1	1			
Somers Town		39099	23	15	5	3	-	-	3	-	-	-	-	-	3	1	3			
Camden Town W		23266	18	11	3	1	-	-	-	-	-	1	-	-	2	-	-			
Kentish Town		44317	49	20	11	4	-	-	-	-	-	-	-	-	5	-	-			
Islington West* WHH		75442	68	55	14	7	4	1	-	-	-	6	1	-	6	-	-			
Islington East WH		79859	69	34	11	2	-	1	3	-	2	-	1	-	7	1	1			
Stoke Newington		6606	2	3	1	1	-	-	1	-	-	-	-	-	1	-	-			
Stamford Hill		5483	2	5	3	2	-	-	-	-	-	-	-	-	-	-	-			
West Hackney		24365	25	14	3	2	-	1	-	-	-	-	1	-	2	-	-			
Hackney WH		31481	39	17	4	5	-	-	1	-	-	-	-	-	2	-	-			
South Hackney L		15458	28	5	3	-	-	-	-	-	1	-	-	-	-	-	-			
CENTRAL DISTRICTS.																				
St. George Bloomsbury		17392	12	8	2	1	-	1	1	-	-	-	-	-	3	-	-			
St. Giles South WH		19483	26	13	4	1	-	-	-	-	-	-	-	-	7	-	-			
St. Giles North		17201	9	6	4	-	-	-	1	-	-	-	-	-	1	-	-			
Long Acre		11618	9	3	1	-	-	1	1	-	-	-	-	-	-	-	-			
Charing Cross WH		11071	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Mary-le-Strand		10346	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-			
St. Clement Danes H		15207	1	11	2	2	-	1	1	-	1	-	-	-	-	-	-			
St. George-the-Martyr H		19903	11	18	5	4	-	1	1	-	1	-	-	-	3	-	-			
St. Andrew East Holborn W		12947	12	15	6	2	-	-	1	-	1	-	-	-	-	2	1			
Saffron Hill		12012	2	1	1	-	-	-	-	-	1	-	-	-	-	1	1			
St. James Clerkenwell W		19152	13	6	2	-	1	-	-	-	-	-	-	-	1	-	-			
Amwell Clerkenwell		17250	10	9	2	5	-	-	-	-	-	1	-	-	-	-	-			
Peckville		13679	11	7	3	-	-	-	2	-	-	-	-	-	3	-	-			
Goswell-street		16200	9	7	1	3	-	-	-	-	-	-	-	-	1	-	-			
Old-street		11504	11	6	4	-	-	-	-	-	-	-	-	-	2	-	-			
City-road HL		17860	12	10	3	-	-	-	2	-	-	-	-	-	4	1	2			
Whitecross-street		14778	5	6	1	1	-	1	-	-	-	-	-	-	-	-	-			
Finsbury		12931	6	3	1	1	-	-	-	-	-	-	-	-	1	-	-			
St. Botolph East London		20990	11	9	2	3	-	-	1	-	-	-	-	-	1	-	-			
Cripplegate		19637	12	5	1	2	-	-	-	-	-	-	-	-	1	-	1			
St. Sepulchre WH		11750	4	14	1	2	-	-	-	-	-	-	-	-	-	1	2			
St. Bride W		15395	4	6	3	-	-	-	-	-	-	-	-	-	2	-	-			
Castle Baynard		7782	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-			
Christchurch		9020	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-			
Queenhithe		8370	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Abchurch-lane		8559	3	3	1	-	-	-	1	-	-	-	-	-	1	-	-			
Broad Street		11544	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-			

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

See note *, page 235.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
day, 16th July 1870.

The DEATHS registered in the Week include																	
REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																	
Well Shoreditch	17313	5	7	3	1	1	-	-	-	-	-	-	-	2	-	1	-
Leonard Shoreditch L†	19188	11	12	4	1	-	-	-	-	-	-	-	-	2	-	-	-
on New Town W	26516	20	20	6	2	-	-	1	-	2	-	1	-	4	1	1	2
on Old Town -	25777	19	16	10	1	-	-	1	-	-	-	1	-	3	-	-	-
erstone West W	23260	15	11	5	1	-	-	1	-	-	-	-	-	1	-	-	4
erstone East -	17310	20	9	4	1	-	-	1	-	-	-	1	-	1	-	-	-
ney-road -	26298	22	13	5	1	1	-	1	-	-	-	-	-	8	1	-	-
n, Bethnal Green WHL†	31789	35	29	11	4	-	-	-	-	2	-	-	-	1	-	3	7
ch, Bethnal Green -	25528	23	4	1	-	-	-	-	-	-	-	-	-	1	-	-	-
a, Bethnal Green -	21486	22	12	3	2	-	-	-	-	1	1	1	-	4	-	-	-
ery Whitechapel -	6557	2	2	2	1	-	-	-	-	-	-	-	-	2	-	-	-
ields -	16700	15	6	1	2	-	-	1	-	-	-	1	-	-	-	-	-
End New Town W	13392	13	18	6	4	1	-	-	-	-	-	-	-	2	2	5	9
chapel North -	12122	9	2	1	1	-	-	-	-	-	-	-	-	-	-	1	-
chapel Church H	8062	6	16	-	4	-	-	1	-	1	-	1	-	-	4	4	12
man's Fields -	11166	7	7	5	-	-	-	-	1	-	-	-	-	3	-	1	-
ate -	9071	2	4	1	-	-	-	-	-	-	-	-	-	1	-	-	-
ary St. George East	18181	9	8	5	-	-	-	-	-	-	-	-	-	3	-	-	-
aul St. George East	21015	17	12	8	1	-	-	-	-	-	-	-	1	4	-	-	-
ohn St. George East W	9695	3	8	1	3	-	-	-	-	-	1	-	-	-	-	-	6
well W -	12337	6	8	3	1	-	-	-	-	-	-	-	-	3	1	1	1
iff WH -	16874	7	7	2	1	-	-	-	-	-	-	-	-	-	-	-	2
house W -	27161	14	10	3	3	-	-	-	-	-	-	-	1	3	-	-	-
End Old Town West	33747	38	20	6	6	-	-	1	-	1	1	-	-	3	1	2	-
End Old Town East Ww	39317	42	24	8	5	-	1	2	-	1	-	-	-	4	-	-	4
WwL† -	35667	47	34	16	4	-	-	1	-	-	-	-	-	5	2	2	3
ar W -	43529	37	14	7	-	-	2	1	-	-	-	-	-	3	-	1	1
SOUTH DISTRICTS.																	
chchurch Southwark W	17069	9	6	1	-	-	-	3	-	-	-	-	-	1	-	-	1
aviour Southwark H	19101	11	7	2	1	-	-	-	-	-	-	-	-	3	-	-	-
-road -	19652	14	5	1	1	-	-	-	-	1	-	-	-	1	-	-	-
ugh-road W -	16908	17	4	1	1	-	-	-	-	-	-	-	-	1	-	-	-
on road L -	19190	10	11	4	1	-	-	-	-	-	-	-	-	3	-	-	9
ty Newington -	22675	15	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
eter Walworth W	44463	28	19	11	3	-	-	-	-	2	-	1	-	6	-	-	-
ary Newington H	15082	17	14	4	1	-	-	1	-	1	-	1	1	2	1	1	3
lave Southwark H	7663	-	19	-	2	-	-	1	-	-	-	1	-	-	4	4	17
ohn Horsleydown W	11383	2	11	2	4	-	-	-	-	-	-	-	-	2	-	-	-
her Market -	16496	16	11	3	1	-	1	-	-	-	-	-	-	3	-	-	-
ary Magdalen W	16395	12	8	2	5	-	-	-	-	1	-	1	-	1	-	-	2
ames Bermondsey -	25154	42	18	7	2	-	-	1	-	2	-	-	-	5	-	-	-
erbithe W	24502	15	9	4	2	-	1	-	-	-	-	-	-	1	-	-	-
erloo-road 1st -	15269	15	5	2	-	-	-	-	-	-	-	-	-	1	-	-	-
erloo-road 2nd H	18640	18	10	5	-	-	-	1	-	-	-	-	-	1	-	-	1
beth Church 1st	19839	16	11	3	-	-	-	2	-	-	-	-	-	1	2	3	-
beth Church 2nd W	26342	23	25	13	6	1	-	-	-	-	1	-	-	7	-	-	7
ington 1st -	30785	25	18	7	4	-	-	-	-	-	-	-	-	3	-	-	-
ington 2nd -	20440	22	9	2	4	-	-	-	-	-	-	-	-	2	-	-	-
on -	20067	27	12	6	3	1	-	-	-	-	-	-	-	4	-	1	-
ood W -	7462	13	3	1	1	-	-	-	-	-	-	-	-	1	-	1	-
ham -	20894	17	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
raea W -	19600	45	36	17	2	-	-	4	-	-	-	1	-	5	-	1	3
daworth L	13346	12	3	1	1	-	1	-	-	-	-	-	-	-	-	-	-
ey -	6481	5	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-
atham -	10082	6	5	1	2	-	-	1	-	-	-	-	-	-	-	-	-
rich -	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
erwell W†L†	21287	19	10	2	1	-	-	-	1	2	-	-	-	1	-	1	1
ham W -	28135	23	17	9	3	-	-	-	1	1	-	-	-	4	1	2	-
orge Camberwell -	20333	28	20	10	2	-	-	-	-	-	-	-	-	4	1	1	-
aul Deptford -	37834	35	24	9	2	-	3	-	-	-	-	-	1	4	1	2	-
icholas Deptford -	8139	4	3	3	-	-	-	-	-	-	-	-	-	1	-	-	-
nwich West H	21696	10	9	2	-	-	-	1	-	1	-	-	-	1	1	-	-
nwich East WH	18306	12	13	3	3	-	-	3	-	-	-	-	-	-	-	3	3
am -	3009	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ham -	11093	3	3	-	-	-	-	1	-	1	-	-	-	-	-	-	-
ham Village W	7372	8	5	1	1	-	-	-	-	-	-	1	-	-	-	-	1
ham -	10595	11	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
lton H -	9276	1	4	2	-	-	-	-	-	-	-	-	-	1	-	-	-
twich Dockyard H	22919	6	7	2	1	-	-	-	-	-	-	-	2	-	-	1	-
twich Arsenal H	18776	12	6	2	1	-	1	1	-	-	-	-	-	-	-	1	-
instead West -	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
instead East -	24502	17	13	5	2	-	-	1	-	-	-	-	-	3	1	1	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. G. Hanover Sq. Workh. is in Chelsea North-west sub-district.
London City " " " Tottenham-court sub-district.
Do. do. " " " Islington East.
Do. do. " " " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.
London City " " " Mile End Old Town Eastern sub-dist. and
Stepney " " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 16th JULY, 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.		RAIN.						
Phases of Moon.		Barometer.		Dry.		Dew Point.		Lowest in the day, as shown by a self-registering thermometer.		In the Water of the Thames at Greenwich, by self-registering thermometers.		Between Dew Point and Air Temperature.		Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*		As deduced from Anemometers.		Collected in a Gauge whose receiving surface is 5 in. above the ground.						
		Mean	Reduced to 32° Fahr. (height).	High.	Low.	Range.	Mean.	Mean.	Mean.	Highest.	Lowest.	Mean.	Least.	Mean.	Least.	Mean.	Least.	Mean.	Least.					
		in.		est.	est.	in day.	daily value.	daily value.	in vacuum.	at 32° Fahr.	at 32° Fahr.	daily value.	est.	est.	est.	A. M.	P. M.	Great-est.	Least.	lbs.	lbs.	Miles.	Inches.	
JULY.																								
SUNDAY	10	29.690	81.5	61.2	20.3	68.3	58.1	134.9	57.0	0	0	10.2	22.6	1.1	6.5	70	WSW.	W. & WSW.	1.2	0.0	0.2	265	0.08	
MONDAY	11	29.521	76.3	55.8	20.5	64.7	56.0	116.0	50.2	..	..	8.7	19.4	0.8	2.9	73	WSW & N.E.	SE.	0.3	0.0	0.0	101	0.35
TUESDAY	12	29.565	74.4	57.0	17.4	63.5	53.0	125.8	51.2	..	..	10.5	18.2	3.2	1.5	69	N. W.	N. W. & W.	0.3	0.0	0.0	176	0.00
		Full															WSW.							
WEDNESDAY	13	29.679	74.8	53.8	21.0	62.6	56.7	117.2	45.0	..	..	5.9	13.6	0.8	0.3	81	WSW.	SW.	0.4	0.0	0.0	186	0.02
THURSDAY	14	29.896	79.7	57.9	21.8	66.8	53.5	129.4	52.1	..	..	13.3	24.3	1.3	4.3	62	NW. W. & SSW.	N.	0.5	0.0	0.0	137	0.00
FRIDAY	15	29.773	85.0	52.0	33.0	68.8	51.7	141.4	47.9	..	..	17.1	28.2	0.4	6.3	55	SSE.	SSW.	1.8	0.0	0.1	192	0.00
SATURDAY	16	29.721	77.1	56.3	20.8	65.4	52.1	151.4	51.2	..	..	13.3	21.8	0.2	3.0	62	WSW & W.	W. & WSW.	1.8	0.0	0.2	287	0.35
MEANS		29.692	78.4	56.3	22.1	65.7	54.4	130.9	50.7	..	..	11.3	21.2	1.1	3.5	67	WSW.		..	..	..	Sum 1344	Sum 0.80
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

NOTES.

The height of the cistern of the barometer is considered to be 153 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part I, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1848, December 31. *In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 29.64 in. at the beginning of the week to 29.71 in. by 9h. A.M. on the 10th; decreased to 29.50 in. by 3h. P.M. on the 11th; increased to 29.89 in. by 9h. P.M. on the 14th; decreased to 29.69 in. by 9h. A.M. on the 16th; and was 29.79 in. at the end of the week.

SKY AND ATMOSPHERE.

Generally cloudy. Rain fell in the early morning hours.

Fine but generally cloudy throughout the morning, and a solar halo generally seen between 11h. A.M. and 11h. M. overcast during the remainder of the day, and rain fell heavily at night.

Fine; partially cloudy.

Partially cloudy. Occasional showers of rain.

Fine; light clouds prevailed till evening; then cloudless.

A fine day; light clouds were prevalent.

In the early morning hours a violent thunder-storm occurred; fine during the remainder of the day, and light clouds were generally prevalent.

ELECTRICITY.

The electrical apparatus has not been in action throughout the week.

DATE.

JULY.

SUNDAY . 10

MONDAY . 11

TUESDAY . 12

WEDNESDAY 13

THURSDAY . 14

FRIDAY . 15

SATURDAY . 16

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

~~~~~  
By Authority of the Registrar General.  
~~~~~

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

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*General Register Office, Somerset House,
25th July 1870.*

DURING the week ending Saturday the 23d instant, 4964 *births* and 3733 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 27 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow :—Liverpool 32 per 1000, Bradford 23, Manchester 23, Salford 28, London 28, Birmingham 22, Newcastle-upon-Tyne 29, Leeds 33, Portsmouth 17, Sheffield 29, Hull 19, Wolverhampton 15, Bristol 30, Nottingham 21, Sunderland 18, Leicester 37, and Norwich 24. The mortality from diarrhoea in the Seventeen Towns was at the annual rate of 5·5 deaths per 1000 persons living; this average degree of fatality was exceeded in London, Manchester, Salford, Leeds, and Leicester, the ratio in the latter town being 9·6 per 1000.

In Edinburgh the annual rate of mortality last week was 21 per 1000 persons living, in Glasgow 29 per 1000, and in Dublin 19. In Paris the deaths registered during the week ending last Saturday were at the annual rate of 32 per 1000 persons living. The reported deaths from small-pox were 215, or 10 less than were returned in the previous week. In Vienna the annual rate of mortality during the week ending the 16th instant was 31 per 1000. In the City of Bombay the deaths registered during the week ending 28th June were 243, and the mortality was at the annual rate of 16 per 1000.

In LONDON the *births* of 1070 boys and 1067 girls, in all 2137 children, were registered last week. The *deaths* registered in the same time were 1754. During the corresponding weeks of ten previous years the registered births averaged 1897, and the deaths 1376 per week; after making due allowance for increase of population, the average for the past week is estimated at 2087 births and 1514 deaths; the registered births, therefore, were 50, and the deaths 240, above the estimated average.

Zymotic diseases caused 747 deaths, including 15 from small-pox, 33 from measles, 130 from scarlet fever, 7 from diphtheria, 7 from croup, 20 from whooping-cough, 10 from typhus, 22 from enteric (or typhoid) fever, 14 from simple continued fever, 9 from erysipelas, and 385 from diarrhoea.

From "simple cholera" and choleraic diarrhoea 31 deaths were registered, 23 of them at ages under 5 years. Of the 385 deaths from diarrhoea, 356 occurred at ages under 5 years.

The deaths from diarrhoea, too often neglected in its early stage, have risen since the end of May, when they were less than 20 per week, successively to 22, 34, 56, 86, 192, 258, 259, and 385, in the past eight weeks. Last week the fatal cases were in the proportion of 6·3 deaths annually to every 1000 of the population: in the Western group of districts the ratio was 6·4 per 1000, in the Northern group 4·7, in the Central group 5·7, in the Eastern and Southern groups 7·0 per 1000.

The state of the water supply will no doubt obtain the vigilant attention of the engineers of the several Water Companies. It is of the utmost importance that the flushing and disinfection of the sewers should be strictly attended to, so that no effluvia from them may rise through the street openings. The scavengers should likewise be on the alert.

Scarlet fever was more fatal last week than in any week since January.

Forty-eight deaths resulted from violence : of these 40 were accidental, including 22 by fractures, 7 by drowning, and 5 by suffocation. A mast maker, aged 50 years, died on 16th July at Bromley (Bow), of sunstroke. The deaths were also recorded of a female pauper who died on 9th July at the Islington workhouse, of "exhaustion from want of food, and from exposure;" of a girl, aged 7 years, "suffocated by a glass bead passing into the larynx when about to speak hurriedly;" and of a cooper, aged 65 years, from "accidental fracture of the thigh through being knocked down by a dog running against him in the public street."

Five fatal accidents caused by horses or vehicles in the streets were returned last week ; a gas fitter, aged 34 years, died on 15th July, in the London Hospital, of "fractured foot, run over by a tramway car;" a carman's son, aged 15 years, died on 19th July, in the London Hospital, of "shock from being run over by a railway van;" a labourer, aged 38 years, died on 11th July, in St. Thomas's Hospital, of "crushed foot by the wheel of a van passing over it;" a boy, aged 19 months, died on 21st July, at Guy's Hospital, of injuries caused by a cart wheel at East Lane, Dockhead ; a boy, aged 16 months, was killed on 20th July, in the Wandsworth Road, by a water cart passing over his body.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow :—Mean reading of the *barometer* 29·988 in. ; the highest was 30·13 in. on Wednesday, and the lowest was 29·79 in. at the beginning of the week. The mean temperature of the *air* was 68°·5, or 6°·8 above the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 88°·1 on Thursday ; the lowest night temperature was 53°·7 on Saturday ; the entire range of temperature in the week was, therefore, 34°·4. The highest temperature in the sun was 153°·0 on Friday. The mean temperature was above the average 9°·4 on Tuesday, 10°·4 on Wednesday, 11°·0 on Thursday, and 10°·5 on Friday. The difference between the mean *dew-point* temperature and *air* temperature was 13°·0. The mean degree of *humidity* of the air was 64, complete saturation being represented by 100. No *rain-fall* was measured in the week. The general direction of the *wind* was variable, and the horizontal movement of the air amounted to 8 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns, ranged from 62°·8 in Newcastle-upon-Tyne to 66°·6 in Leicester ; the lowest recorded night temperature was 49°·0 in Salford, and the highest day temperature in the shade was 90°·0 in Manchester. A slight rain-fall was measured in Norwich, Bristol, Nottingham, Manchester, and Salford ; none in the other towns.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 20°·3 ; the highest day temperature in the shade was 31°·2 ; the lowest night temperature was 12°·1 ; the highest temperature in the sun was 67°·2. The mean temperature of the week on an average of 50 years was 16°·5, or 3°·8 below the temperature of last week. The wind blew at the rate of 13 kilometers an hour.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 177,019 cubic metres, and at Barking 186,742 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the TWENTY-NINTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1636	1819	1812	1810	1870	1953	2023	1910	2014	2119	1896·6	2137
Males . .	809	905	921	930	976	1033	1008	976	1017	1076	965·1	1070
Females .	827	914	891	880	894	920	1015	934	997	1043	931·5	1067
TOTAL Deaths	975	1171	1111	1364	1399	1467	1798	1230	1642	1600	1375·7	1754
Males	532	592	585	725	701	739	908	637	876	824	711·9	900
Females	443	579	525	639	698	728	890	593	766	776	663·8	854

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Apr. 30.	May 7.	May 14.	May 21.	May 28.	June 4.	June 11.	June 18.	June 25.	July 2.	July 9.	July 16.	July 23.
TOTAL Deaths - - -	1394	1314	1426	1313	1239	1232	1273	1292	1282	1359	1497	1498	1754*
Deaths under 5 years of age -	538	515	589	544	515	482	542	544	575	682	813	765	966
Deaths 5-20 - - -	109	95	112	119	95	125	105	112	124	114	115	128	136
Deaths 20-40 - - -	220	199	215	195	193	106	208	177	173	161	171	188	193
Deaths 40-60 - - -	238	242	230	199	206	205	201	209	188	189	187	187	214
Deaths 60-80 - - -	234	219	238	108	196	176	186	208	184	183	177	178	195
Deaths at 80 years & upwards	55	44	42	48	34	38	31	42	38	30	34	52	50
Deaths from Smallpox - -	3	9	6	19	11	12	8	7	11	12	13	11	15
" " Measles - - -	32	49	42	36	31	34	53	36	51	42	41	31	33
" " Scarlet Fever - -	68	74	76	81	90	91	103	100	95	80	104	85	130
" " Diphtheria - - -	6	1	3	5	3	7	4	7	4	6	3	7	7
" " Whooping-cough - -	61	33	43	35	23	24	33	25	27	28	24	31	20
" " Typhus fever - - -	13	8	7	7	8	3	4	16	7	8	9	14	10
" " Enteric (or Ty- phoid) fever - - -	15	11	15	14	13	17	8	16	21	12	21	18	22
" " Simple Cont ^d fever -	11	12	11	12	11	14	14	15	6	7	11	7	14
" " Diarrhœa - - -	12	14	14	17	13	22	34	56	86	192	258	259	385
" " Simple Cholera - -	—	—	—	—	—	1	1	—	2	12	10	22	31
" " Phthisis - - -	193	188	200	165	179	173	181	161	145	149	141	142	148
" " Bronchitis - - -	183	123	136	116	98	85	75	80	61	56	59	61	65
" " Pneumonia - - -	86	67	59	65	57	57	61	50	48	41	43	34	43
" " Heart Disease - -	64	51	70	59	52	70	43	60	57	60	63	66	52
Mean Temperature of the Air	47·7	45·6	49·3	59·8	56·6	58·1	58·0	64·6	63·8	57·7	65·0	65·7	68·5
Mean Temperature of the Water of the Thames - }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	76	76	83	69	69	77	68	68	66	71	72	67	64
Rain-fall in inches - -	0·13	0·02	0·37	0·04	0·00	0·16	0·00	0·15	0·12	0·16	0·12	0·80	0·00

* The Return for the sub-district of Berwick-street (Westminster St. James) was not received when the tables were under preparation, but an average of 6, derived from the returns of six previous weeks, is inserted.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Graut of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thurstans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filler, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 23d day of July 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 23d July.	DEATHS registered during the Week ending 23d July.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centr.
Total of 20 TOWNS in the UNITED KINGDOM -	213,281	7,216,325	33·8	4964	3733	90·0	48·0	64·7	18·17	0·07	0·0
LONDON - - -	77,997	3,214,707	41·2	2137	1754	88·1	53·7	68·5	20·28	0·00	0·0
PORTSMOUTH - -	9,513	122,034	12·8	93	40	83·3	53·7	66·2	19·00	0·00	0·0
NORWICH - - -	7,472	81,087	10·9	58	38	79·0	54·0	64·3	17·94	0·08	0·2
BRISTOL - - -	4,698	171,382	36·6	101	98	86·9	53·9	64·4	18·00	0·03	0·0
WOLVERHAMPTON -	3,387	72,990	21·5	41	21	87·2	51·7	65·8	18·78	0·00	0·0
BIRMINGHAM - -	7,831	369,604	47·2	236	156	86·9	52·7	66·1	18·94	0·00	0·0
LEICESTER - - -	3,200	97,427	30·4	57	69	89·5	50·7	66·6	19·22	0·00	0·0
NOTTINGHAM - -	1,996	88,888	44·5	63	36	84·7	50·7	65·1	16·39	6·01	0·0
LIVERPOOL - - -	5,108	517,567	101·3	370	322	84·6	55·7	64·6	18·11	0·01	0·0
MANCHESTER - -	4,486	374,993	83·6	281	164	90·0	51·0	65·1	18·39	0·11	0·28
SALFORD - - -	5,172	121,580	23·5	89	65	88·4	49·0	63·6	17·56	0·11	0·28
BRADFORD - - -	6,590	143,197	21·7	58	64	82·2	55·4	65·4	18·56	0·00	0·0
LEEDS - - -	21,572	259,527	12·0	214	165	82·0	52·0	64·1	17·83	0·00	0·0
SHEFFIELD - - -	22,830	247,378	10·8	184	137	86·1	51·1	64·6	18·11	0·00	0·0
HULL - - -	3,562	130,869	36·7	76	47	—	—	—	—	—	—
SUNDERLAND - -	3,306	100,979	30·5	70	35	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	73	73	83·0	52·0	62·8	17·11	0·00	0·0
EDINBURGH - - -	4,427	178,970	40·4	141	73	73·7	52·0	61·9	16·61	0·10	0·22
GLASGOW - - -	5,063	468,189	92·5	457	258	82·5	50·3	61·0	16·11	0·37	0·94
DUBLIN - - -	9,745	321,540	33·0	165	118	85·4	48·0	64·1	17·83	0·49	1·22
PARIS - - -	7,802	1,889,842	242	—	1160	—	—	—	—	—	—
						Week ending 16th July 1870.					
VIENNA - - -	3,728*	622,087	167	—	370	—	—	73·4	23·00	—	—
						Week ending 21st July 1870.					
BERLIN - - -	6,253	800,000	128	—	—	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 23d day of July 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public
Total of 17 TOWNS -	27	3284	1311	446	20	54	219	8	49	95	663	90	138	38
LONDON - - -	28	1754	675	244	15	33	130	7	20	46	385	48	69	224
PORTSMOUTH - -	17	40	18	3	—	—	2	—	1	—	3	3	4	—
NORWICH - - -	24	38	16	8	—	—	—	1	—	1	6	2	2	—
BRISTOL - - -	30	98	29	15	—	4	19	—	1	4	11	2	6	—
WOLVERHAMPTON -	15	21	10	4	—	—	1	—	—	1	6	1	—	—
BIRMINGHAM - -	22	156	72	19	—	—	10	—	1	—	34	6	16	1
LEICESTER - - -	37	69	37	12	—	2	1	—	—	1	18	—	1	—
NOTTINGHAM - -	21	36	13	5	—	—	1	—	—	1	8	1	2	—
LIVERPOOL - - -	32	322	139	39	—	5	25	—	7	13	47	11	13	8
MANCHESTER - -	23	164	68	17	2	—	2	—	4	5	40	2	7	2
SALFORD - - -	28	65	25	8	3	—	4	—	1	1	16	1	3	10
BRADFORD - - -	23	64	16	12	—	2	4	—	1	4	4	1	1	—
LEEDS - - -	33	165	72	20	—	6	5	—	6	12	41	2	4	—
SHEFFIELD - - -	20	137	58	18	—	1	11	—	2	2	26	6	5	—
HULL - - -	19	47	17	4	—	—	3	—	1	—	4	2	2	—
SUNDERLAND - -	18	35	11	6	—	—	—	—	3	1	3	—	—	—
NEWCASTLE-ON-TYNE	29	73	35	12	—	1	1	—	1	3	11	2	3	—
DUBLIN - - -	19	118	13	31	—	1	4	—	—	7	2	4	5	4

TABLE 5.—DEATHS in LONDON Registered in the TWENTY-NINTH Week of the Year 1870.

USES OF DEATH.		Averages of the Twenty-ninth Week in the 10 years 1850-59.	In the Week ending Saturday, July 23, 1870.								CAUSES OF DEATH.		Averages of the Twenty-ninth Week in the 10 years 1850-59.	In the Week ending Saturday, July 23, 1870.							
			Deaths of Persons of the Ages											Deaths of Persons of the Ages							
			ALL AGES.	Under 20.		40. and under 40.	60. and under 60.	80. and under 80.	80 Years and upwards.	ALL AGES.				Under 20.		40. and under 40.	60. and under 60.	80. and under 80.	80 Years and upwards.		
				Mean Term.	0-5. 5-20.									Mean Term.	0-5. 5-20.						
Mean Temperature	-	63° 0	63° 5	0-5. 5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	-	63° 0	63° 5	0-5. 5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				
ALL CAUSES																					
SPECIFIED CAUSES																					
SYMPTOMATIC DISEASES.																					
ORDER 1.																					
Small-pox																					
Scarlet Fever (Scarlatina)																					
Diphtheria																					
Whooping cough																					
Typhoid Fever																					
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NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

† An average of 6 is added, without distinction of ages. See note *, page 243.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
REGISTRARS' SUB-DISTRICTS.					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	
LONDON			2,863,969	2137	1754	675	244	15	33	130	7	20	10	22	14	385	43	69
WEST DISTRICTS			458,125	345	308	106	35	1	6	21	-	3	-	4	4	67	6	10
NORTH DISTRICTS			618,210	475	384	128	65	8	9	30	2	3	4	8	1	67	10	24
CENTRAL DISTRICTS			383,321	198	177	67	23	-	7	14	2	-	3	2	4	39	4	4
EAST DISTRICTS			571,158	456	333	140	48	1	5	11	-	2	1	2	2	84	6	12
SOUTH DISTRICTS			773,175	663	552	234	73	5	6	44	3	12	2	6	3	123	22	19
WEST DISTRICTS.																		
St. Mary Paddington WH			39015	40	31	12	5	-	-	2	-	-	-	2	-	9	-	1
St. John Paddington H			36769	17	15	4	3	-	-	-	-	-	-	4	-	2	1	1
Kensington Town W			53910	67	45	18	2	-	3	1	-	-	-	-	-	15	-	1
Brompton H			18198	20	13	3	2	-	-	1	-	-	-	-	-	2	-	-
St. Peter Hammersmith			5415	3	5	1	1	-	-	1	-	-	-	-	-	1	-	1
St. Paul Hammersmith H			19104	27	22	7	2	-	1	3	-	1	-	1	1	6	-	-
Fulham W			15539	13	18	10	1	1	1	1	-	-	-	-	-	8	1	1
Chelsea South H			21654	15	22	10	1	-	-	5	-	-	-	-	1	5	1	1
Chelsea North-west HW			19899	13	22	5	2	-	-	4	-	-	-	1	2	3	-	-
Chelsea North-east			21886	12	13	8	1	-	-	1	-	1	-	-	-	2	-	-
Hanover Square			10773	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-
May Fair W			12885	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Belgrave H			55113	29	33	11	4	-	1	5	-	1	-	-	-	1	5	3
St. John Westminster H			37483	31	14	5	3	-	-	1	-	-	-	-	-	3	3	1
St. Margaret Westminster WH			30730	16	24	4	5	-	-	1	-	-	-	-	-	2	-	-
St. James's Square			10753	4	5	1	-	-	-	1	-	-	-	-	-	1	-	-
Golden Square W			13066	9	6	1	1	-	-	1	-	-	-	-	-	-	-	-
Berwick-street			18067	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Anne Soho			17426	15	10	4	-	-	-	3	-	-	-	-	-	2	-	-
NORTH DISTRICTS.																		
All Souls Marylebone H			29952	15	12	3	3	-	1	1	-	-	-	1	-	1	-	-
Cavendish Square W			15990	-	6	1	1	-	-	-	-	-	1	1	-	-	-	-
Rectory Marylebone W			26092	23	18	2	9	-	-	3	-	-	-	-	-	4	-	-
St. Mary Marylebone H			22493	16	7	2	-	-	-	-	-	-	-	-	-	2	-	-
Christchurch Marylebone			31013	21	18	6	1	-	3	4	-	1	-	-	-	4	-	-
St. John Marylebone			32550	22	13	2	2	-	-	3	1	-	-	-	-	2	-	-
Hampstead WH			19106	21	11	4	3	-	-	2	-	-	1	-	-	2	-	-
Regent's Park Paneras			34927	14	16	6	3	-	-	-	1	-	-	-	-	2	-	2
Tottenham-court WH			29731	22	20	3	6	-	1	2	-	-	-	-	-	-	1	1
Gray's Inn Lane H			27808	27	16	8	2	-	-	1	-	-	-	1	-	4	2	2
Somers Town			30009	23	15	3	2	-	-	-	-	-	-	-	-	1	2	2
Camden Town			23264	17	17	9	6	-	-	-	-	-	-	-	-	3	-	3
Kentish Town			44317	40	38	19	7	1	1	-	-	-	-	-	-	10	1	2
Islington West* WHH			75442	59	69	19	1	6	2	8	-	1	3	4	1	9	2	7
Islington East Ww			79899	66	44	20	8	-	1	2	-	-	-	-	-	11	1	1
Stoke Newington			6678	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill			5483	5	5	3	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney			24255	14	14	5	1	-	-	1	-	-	-	-	-	5	-	-
Hackney WHw			31481	43	25	7	5	-	-	-	-	-	-	-	-	5	2	4
South Hackney L			15453	19	17	6	3	1	-	1	-	1	-	-	-	1	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury			17392	11	9	3	8	-	1	-	-	-	-	1	-	2	-	-
St. Giles South WH			19483	11	16	5	2	-	-	1	-	-	1	-	-	3	-	-
St. Giles North			17201	8	10	2	1	-	1	1	-	-	-	-	1	-	-	-
Long Acre			11618	2	5	4	-	-	-	1	-	-	-	-	-	3	-	-
Charing Cross WH			11071	7	5	-	-	-	-	2	-	-	-	-	-	1	-	-
St. Mary-le-Strand			10946	3	4	1	-	-	-	1	-	-	-	-	-	-	1	-
St. Clement Danes H			15207	6	10	1	1	-	-	1	-	1	-	1	-	1	1	1
St. George-the-Martyr H			19093	7	5	2	2	-	1	-	1	-	-	-	-	1	-	-
St. Andrew East Holborn W			12947	7	14	4	2	-	1	-	-	-	-	-	1	-	-	-
Saffron Hill			12012	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W			19152	16	16	9	2	-	-	1	-	-	-	-	-	5	-	-
Amwell Clerkenwell			17250	4	15	8	1	-	1	2	-	-	-	-	-	4	-	-
Pentonville			13079	12	4	4	-	-	-	1	-	-	-	-	-	2	-	-
Goswell-street			10200	12	4	2	-	-	-	-	-	-	-	-	-	1	-	-
Old-street			11504	6	3	3	-	-	-	-	-	-	-	-	-	1	-	-
City-road HL			17860	9	10	6	1	-	-	1	-	-	-	-	-	3	-	-
Whitecross-street			14778	14	8	2	-	-	1	-	-	-	-	-	-	-	-	-
Finsbury			12931	11	3	1	1	-	-	-	-	-	-	-	-	2	-	-
St. Botolph East London			20990	15	5	-	-	-	-	-	-	1	-	-	-	1	2	-
Cripplegate			19697	6	6	5	-	-	-	-	-	-	-	-	-	1	-	-
St. Sepulchre WH			11750	4	12	2	1	-	-	-	-	-	1	-	1	-	-	-
St. Bride W			15395	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Castle Baynard			7762	3	3	1	-	-	-	-	-	-	-	-	-	2	-	-
Christchurch			9020	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe			8570	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1
Aldhalloes Barking			8659	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Broad Street			11544	2	3	-	1	-	1	-	-	-	-	-	-	-	1	1

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

‡ See note *, page 243.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 Sunday, 23d July 1870.

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
REGISTRARS' SUB-DISTRICTS.																		
EAST DISTRICTS.																		
Lywell Shoreditch	-	17313	8	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch	L†	19188	7	3	2	2	-	-	-	-	-	-	-	-	-	-	1	-
Hoxton New Town	W	26516	20	13	7	2	-	1	-	-	-	-	-	-	-	-	3	-
Hoxton Old Town	-	23777	14	10	6	6	-	-	-	-	1	-	-	-	-	-	3	-
Haggerstone West	W	23260	20	16	5	1	-	1	2	-	-	-	-	-	-	-	2	-
Haggerstone East	-	17310	13	18	7	3	-	-	1	-	-	-	-	-	-	-	5	-
Hackney-road	-	26298	27	6	3	1	-	-	-	-	-	-	-	-	-	-	2	-
Green, Bethnal Green	WHL†	31789	41	25	11	6	-	-	-	-	-	-	-	-	-	-	4	-
Church, Bethnal Green	-	25528	27	13	8	2	-	-	-	-	-	1	1	-	-	-	5	3
St. John, Bethnal Green	-	21486	9	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Mary Whitechapel	-	6557	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Whitechapel	-	15700	12	11	3	1	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew New Town	W	15392	9	11	4	2	1	-	-	-	-	-	1	-	-	3	4	2
St. Andrew North	-	12122	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Church	H	8062	9	20	2	1	-	-	-	-	-	-	-	-	-	1	3	16
St. Andrew's Fields	-	11163	8	4	4	-	-	-	-	-	-	-	-	-	-	3	-	-
St. Andrew's Gate	-	9971	1	6	1	2	-	-	-	-	1	-	-	-	-	1	-	-
Mary St. George East	-	18181	8	5	2	-	-	1	-	-	-	-	-	-	-	-	-	-
Paul St. George East	-	21015	14	8	6	1	-	-	-	-	-	-	-	-	-	2	-	-
John St. George East	W	9695	11	13	6	1	-	-	-	-	-	-	-	1	-	-	1	3
St. Andrew W	-	12337	4	13	6	2	-	-	1	-	-	-	-	-	-	4	-	-
St. Andrew WH	-	16874	12	4	2	-	-	-	-	-	-	-	-	-	-	3	-	-
St. Andrew W	-	27131	25	18	11	2	-	1	1	-	-	-	-	-	-	8	1	1
St. Andrew End Old Town West	-	33747	21	8	7	-	-	-	-	-	-	-	-	-	-	4	-	-
St. Andrew End Old Town East	W	39317	42	25	11	4	-	-	1	-	-	-	-	-	4	-	1	2
St. Andrew W	-	35667	45	39	15	9	-	1	3	-	-	-	-	-	11	7	1	7
St. Andrew W	-	43329	44	23	9	4	-	-	1	-	-	-	-	-	5	-	-	6
SOUTH DISTRICTS.																		
St. Andrew Southwark	W	17069	5	13	5	3	-	1	2	-	-	-	-	-	4	1	2	1
St. Andrew Southwark	H	19101	10	10	4	4	-	-	-	-	1	-	-	-	3	-	-	-
St. Andrew road	-	19352	14	6	4	1	-	-	-	-	-	-	-	-	1	-	-	-
St. Andrew road W	-	16668	11	13	6	-	-	-	-	-	-	-	-	-	2	-	-	-
St. Andrew road L	-	19190	19	14	5	2	-	-	-	-	-	-	-	-	6	-	1	1
St. Andrew Newington	-	22675	19	6	3	3	-	-	-	-	-	-	-	-	3	-	-	-
St. Andrew Peter Walworth	W	44463	34	23	10	2	-	-	-	-	3	-	-	-	5	-	-	-
St. Andrew Mary Newington	H	15682	9	11	2	1	-	-	1	-	-	-	-	-	1	1	1	3
St. Andrew Olave Southwark	H	7653	1	17	1	3	-	-	-	-	-	-	-	-	-	6	6	16
St. Andrew John Horsleydown	W	11893	8	6	2	-	-	-	-	-	-	-	1	-	1	-	-	1
St. Andrew St. Peter Market	-	16696	13	6	3	1	-	-	-	-	-	-	-	-	1	-	-	-
St. Andrew Mary Magdalen	W	16305	12	7	2	-	-	-	-	-	-	-	-	-	1	-	-	-
St. Andrew James Bermondsey	-	23154	37	27	20	3	-	-	-	-	-	-	-	-	1	-	2	-
St. Andrew Berthith W	-	24502	15	13	7	2	-	1	1	-	1	-	-	-	11	2	2	3
St. Andrew Berthith 1st	-	15290	10	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Berthith 2nd	H	18440	13	12	6	-	-	-	2	-	-	-	-	-	4	1	1	-
St. Andrew Berthith Church 1st	-	19839	15	12	5	1	1	-	-	-	-	-	-	-	1	1	1	-
St. Andrew Berthith Church 2nd	W	20542	40	24	10	3	-	-	-	-	1	-	1	-	8	2	2	6
St. Andrew Berthith 1st	-	30785	35	20	11	-	-	1	2	1	1	-	1	-	4	1	1	-
St. Andrew Berthith 2nd	-	20440	15	19	10	1	-	-	-	1	-	-	-	-	3	-	-	-
St. Andrew Hoxton	-	20067	29	19	6	5	-	-	1	-	1	-	-	-	4	-	-	-
St. Andrew Wood W	-	7462	8	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Brixton	-	20894	17	13	9	-	2	-	-	-	-	-	-	-	4	-	-	-
St. Andrew Brixton W	-	19900	44	36	18	3	-	1	6	-	-	1	-	-	12	1	1	3
St. Andrew Brixton L	-	13346	13	14	6	-	-	-	-	-	-	-	-	-	4	2	2	2
St. Andrew Brixton W	-	6481	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
St. Andrew Brixton W	-	10082	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Brixton W	-	1723	1	2	-	1	-	-	-	-	-	-	-	1	-	-	-	-
St. Andrew Brixton W	-	21207	23	24	9	7	-	-	1	-	1	1	-	-	2	-	-	-
St. Andrew Brixton W	-	23135	24	20	10	2	2	-	-	-	-	-	-	-	9	1	-	5
St. Andrew Brixton W	-	20393	23	23	10	4	-	1	3	-	1	-	1	1	4	-	-	-
St. Andrew Brixton W	-	37834	38	24	11	2	-	-	1	-	1	-	-	-	7	-	-	-
St. Andrew Brixton W	-	8139	-	7	4	-	-	1	-	-	-	-	-	-	1	-	-	-
St. Andrew Brixton W	-	21696	14	15	3	5	-	-	2	-	-	-	1	-	2	-	-	-
St. Andrew Brixton W	-	18306	15	25	6	8	-	-	-	-	-	-	-	1	2	1	-	12
St. Andrew Brixton W	-	3009	2	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-
St. Andrew Brixton W	-	11003	7	13	3	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Brixton W	-	7372	5	6	3	-	-	-	2	-	-	-	-	-	3	-	-	-
St. Andrew Brixton W	-	10595	8	3	1	-	-	-	-	-	-	-	-	-	1	-	-	-
St. Andrew Brixton W	-	9276	3	6	3	-	-	-	-	-	1	-	-	-	2	-	-	1
St. Andrew Brixton W	-	22919	14	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew Brixton W	-	18776	21	6	4	-	-	-	-	-	-	-	-	-	3	-	-	-
St. Andrew Brixton W	-	24502	9	8	3	1	-	-	1	-	-	-	-	-	2	-	-	-
St. Andrew Brixton W	-	5	11	3	2	-	-	-	4	-	-	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh.	is in Chelsea North-west sub-district.	Holborn Workhouse	is in Hoxton New Town sub-district.
The Strand	Tottenham-court sub-district.	London City	Mile End Old Town Eastern sub-dist. and Bow sub-district.
London City	Islington East.	Stepney	Bow sub-district.
Do. do.	Hackney sub-district.		

† Lunatic Asylums where paupers are admitted.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 30. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, JULY 30. [Price 1½d.

*General Register Office, Somerset House,
1st August 1870.*

DURING the week ending Saturday the 30th ultimo, 4773 *births* and 3883 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 28 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow:—Liverpool 34 per 1000, Bradford 33, Manchester 28, Salford 30, London 28, Birmingham 25, Newcastle-upon-Tyne 24, Leeds 33, Portsmouth 18, Sheffield 34, Hull 25, Wolverhampton 26, Bristol 37, Nottingham 32, Sunderland 23, Leicester 35, Norwich 29. The average annual mortality from diarrhoea in the 17 towns during the week was 6·8 per 1000; the ratio of fatality ranged from 3·5 per 1000 in Newcastle-upon-Tyne to 13·9 in Sheffield.

In Edinburgh the annual rate of mortality last week was 24 per 1000 persons living, in Glasgow 27 per 1000, and in Dublin 18. In Paris the deaths registered during the week ending last Saturday were at the annual rate of 33 per 1000 persons living: the reported deaths from small-pox were 227, against 215 in the previous week. In Vienna the annual rate of mortality during the week ending the 23d ultimo was 33 per 1000. Dr. Zuelzer writes with the last report for Berlin: "As I shall not be in Berlin I cannot continue the Weekly Returns. I must go to the army. As soon as I shall have returned I'll do it." War in Europe brings now with it the evils of civil war: science, health, all interests, all nations suffer. In the City of Bombay the deaths registered during the week ending 5th July were 216, and the mortality was at the annual rate of 14 per 1000.

In LONDON the *births* of 1076 boys and 1002 girls, in all 2078 children, were registered last week. The *deaths* registered in the same time were 1700. During the corresponding weeks of ten previous years the registered births averaged 1943 and the deaths 1527 per week; after making due allowance for increase of population, the average for the past week is estimated at 2137 births and 1680 deaths; the registered births, therefore, were 59 below, and the deaths 20 above, the estimated average.

Zymotic diseases caused 698 deaths, including 11 from small-pox, 30 from measles, 100 from scarlet fever, 5 from diphtheria, 7 from croup, 26 from whooping-cough, 8 from typhus, 14 from enteric (or typhoid) fever, 9 from simple continued fever, 6 from erysipelas, and 371 from diarrhoea.

From "simple cholera" and choleraic diarrhoea, 46 deaths were registered.

The fatal cases of diarrhoea last week were in the proportion of 6·0 deaths annually per 1000 of the population, or slightly below the ratio of the previous week. Taking the past five weeks the diarrhoeal mortality has been greatest in the Eastern group of districts, there being no marked disparity in the results for the other four groups. It is in great measure due to the prevalence of diarrhoea,

which is so fatal to infant life, that the proportion of deaths under one year of age has risen from an average of 22 per cent. of the total deaths in the June quarter to an average of 37 per cent. in the month of July just closed.

Two deaths of children were registered from sunstroke.

Four fatal accidents caused by horses or vehicles in the streets were returned last week; a civil engineer, aged 35 years, died on 22d July, near the Cock Tavern, Highbury, of "fracture of skull from an omnibus passing over his head;" a carver's son, aged 3 years, died on 7th July at Harman-street, Haggerstone West, of fractured skull, from being run over by a horse and cart; a naturalist's wife, aged 34 years, died in the London Hospital on 29th July, she having committed suicide by throwing herself under the wheels of a waggon; a carman's son, aged 5 years, died on 23d July at St. Mary Axe, "thrown off a van by a collision with another van, and run over; died instantly."

Professor Frankland, in his report on the quality of the Metropolitan water supply during the month of July, states that all the waters delivered in London were clear and transparent, except that of the East London Company, which contained brown particles and filaments amongst which living organisms were observed. Dr. Frankland makes two suggestions of great importance in a sanitary point of view. He points out that the patent for Clark's softening process having expired, all water Companies are free to avail themselves of this simple method of reducing the hardness of water and removing from it a large proportion of its organic impurities. It would not be an undue return for their monopoly of the supply, if the London Water Companies were in future to apply Clark's process to all the water delivered by them for the public use. Dr. Frankland insists also on the good quality, for bathing purposes, of the Thames as it passes through London, after its water has been filtered through sand. "The river current," in his opinion, "would afford power for effecting this filtration, and public floating "baths established on the Thames, through which a constant current of filtered "water was made to pass, would be much superior, both as regards convenience "and purity of water, to the best bathing attainable in the Serpentine." The establishment of swimming schools for both sexes, on the Thames, would put an end to the unfavourable comparison between London and some other cities of Europe as regards this valuable adjunct to public hygiene.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·835 in.; the highest was 30·02 in. on Thursday, and the lowest was 29·64 in. on Monday. The mean temperature of the *air* was 64°·8, or 2°·8 above the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 88°·8 on Monday; the lowest night temperature was 49°·7 on Friday; the entire range of temperature in the week was, therefore, 39°·1. The highest temperature in the sun was 148°·7 on Monday. The mean temperature was above the average from 9°·9 to 4°·2 between Sunday and Wednesday; on Thursday and Friday there was a defect of over 4°, and on Saturday there was an excess of 0°·7. The difference between the mean *dew-point* temperature and *air* temperature was 8°·9. The mean degree of *humidity* of the air was 74, complete saturation being represented by 100. *Rain* fell on one day in the week (Tuesday) to the amount of 0·93 in. The general direction of the *wind* was N.N.E., and the horizontal movement of the air amounted to 10·6 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 58°·3 in Newcastle-upon-Tyne, to 65°·9 in Portsmouth; the lowest recorded night temperature was 46°·0 in Bristol and Salford, and the highest day temperature in the shade was 90°·2 in Bristol. A little more than half an inch of rain was measured at Portsmouth; less than that quantity in Norwich, Bristol, Birmingham, Leicester, Nottingham, Sheffield, and Hull. In the remaining towns there was no appreciable fall.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 18°·2; the highest day temperature in the shade was 31°·6; the lowest night temperature was 9°·8; the highest temperature in the sun was 64°·8. The mean temperature of the week on an average of 50 years was 16°·7, or 1°·5 below the temperature of last week. The wind blew at the rate of 17 kilometers an hour, and the rain-fall was 2·37 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 211,603 cubic metres, and at Barking 176,088 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of JUNE 1870 : thus, according to their account, 114,754,281 gallons or 521,381 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 108·9 decalitres, rather more than a *ton* by weight, to each house; and 15·3 decalitres (= 33·8 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use : applying this proportion to the total quantity supplied daily in the month of June 1870, it may be estimated that about 139,630,419 gallons were probably used for domestic purposes, or about 27·8 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	MAY 1870.	JUNE 1870.	MAY 1870.	JUNE 1870.
TOTAL SUPPLY . . .	478,308	478,934	107,540,811	114,754,281
From Thames	220,691	221,206	55,026,397	58,561,740
From Lea and from other Sources . . .	257,617	257,728	52,514,414	56,192,541
THAMES.				
Chelsea	27,486	27,486	8,779,700	9,119,700
West Middlesex	40,607	40,852	9,296,632	10,131,094
Southwark and Vauxhall	77,037	77,081	15,594,697	15,596,457
Grand Junction	30,929	30,929	11,200,568	11,916,989
Lambeth	44,632	44,858	10,094,800	11,797,500
LEA AND OTHER SOURCES.				
New River	117,631	117,742	24,267,000	26,089,000
East London	100,660	100,660	20,257,000	21,481,700
Kent	39,326	39,326	7,990,414	8,621,841

Note.—The Return for June as compared with that for May shows an increase of 626 houses, and an increase of 7,213,470 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATERS FOR JULY.

*Royal College of Chemistry,
30th July, 1870.*

SIR,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of July. For the purpose of comparison I append also the results yielded by the waters supplied to Birmingham, Manchester, and Reading, and by Thames water taken at Battersea Bridge at low and high-water on the 1st March.

All the waters delivered in London were clear and transparent except that of the East London Company, which contained brown particles and filaments amongst which living organisms were observed.

Of all waters delivered in the Metropolis, that supplied by the Kent Company from chalk wells contained by far the smallest proportion of organic elements. Of the waters drawn from the Thames, that delivered by the West Middlesex Company contained the smallest proportion.

By being submitted to Clark's softening process the Grand Junction Company's water was not only reduced in hardness from 17·6 to 3·6 degrees, but the organic matter was also removed to the extent of about one-third. The patent for this process has expired, and all water companies are free to follow the example of the Caterham, Tring, Canterbury, and other companies in the softening and purification of water by this simple operation.

Dr. Hill reports that the water delivered in Birmingham was slightly turbid when drawn from the company's mains.

I beg again to direct your attention to the good quality, *for bathing purposes*, of the Thames, as it passes through London, after its water has undergone sand filtration, as shown by the analyses in the accompanying Table. The river current would afford power for effecting this filtration, and public floating baths established on the Thames, through which a constant current of filtered water was made to pass, would be much superior, both as regards convenience and purity of water, to the best bathing attainable in the Serpentine. There is now no reason why swimming schools for both sexes should not be established on the Thames similar to those which exist in all the chief cities of Europe. Thus a public sanitary boon would be conferred upon the Metropolis, and the disgraceful scenes on the banks of the Serpentine would be rendered unnecessary.

The Registrar General, &c., &c.

I have, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 13th July, Cab Rank, Horse Guards }	19°4	22·98	·121	·025	·000	·094	·119	620	1·75	18·08
West Middlesex - -	{ 13th July, Cab Rank, Portland-road }	20°6	23·22	·112	·024	·000	·097	·121	650	1·70	17·82
Southwark and Vauxhall - - -	{ 13th July, Cab Rank, St. George's Church, Borough }	21°1	23·00	·127	·028	·000	·105	·133	730	1·70	18·08
Grand Junction - -	{ 13th July, Cab Rank, Woodstock-st. }	19°4	23·02	·123	·023	·000	·091	·114	590	1·70	17·56
Ditto, softened by Clark's process	{ 11th July, 14, Lancaster Gate, Hyde Park }	—	10·00	·080	·022	·000	·115	·137	830	1·65	3·57
Lambeth - - -	{ 13th July, Cab Rank, Lambeth-road }	19°7	23·00	·142	·032	·000	·106	·138	740	1·67	18·08
OTHER SOURCES.											
New River - - -	{ 13th July, Cab Rank, Tottenham- court-road }	20°3	23·18	·119	·016	·000	·140	·156	1080	1·58	18·34
East London - - -	{ Slater's Lamp Black Works, Old Ford-road }	19°4	23·46	·091	·022	·000	·014	·036	0	1·80	17·04
Kent - - -	{ 13th July, Deptfd. Bdge. Police Stat. }	16°1	39·72	·044	·009	·000	·466	·475	4340	2·40	27·22
Thames water, fil- tered - - -	{ 1st Mar. 1870, Battersen Bdge. } at low water mid-stream } at high water	— —	30·64 32·20	·451 ·476	·060 ·048	·024 ·075	·493 ·364	·573 ·469	4810 3940	1·75 2·05	25·85 25·02
Birmingham * - -	{ 5th July 1870, Birmingham Water Supply }	—	49·60	·308	·069	·002	·172	·242	1420	5·32	25·14
Manchester - - -	{ 29th January 1870 Manchester Water Supply }	—	5·74	·070	·007	·001	·000	·008	0	·80	2·48
Reading - - -	{ 18th March 1870, Reading Water Supply }	—	25·90	·205	·017	·001	·137	·155	1060	1·25	22·84
Column 1	2	3	4	5	6	7	8	9	10	11	12

* Analysed by Dr. Alfred Hill, of Sydenham College, Birmingham.

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 13th July at the Horse Guard's cab-rank had a temperature of 19°4°C.; 100,000 lbs. of it contained 22·98 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·121 lb. of carbon and ·025 lb. of nitrogen. This solid impurity also contained ·094 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·119 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 620 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage or animal contamination had been, so far as analysis can show, converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·75 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 18·08 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTIETH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1785	1804	1758	1892	1951	1947	1989	2163	2003	2142	1943·4	2078
Males . .	917	926	887	994	1011	1005	1016	1107	980	1066	990·9	1076
Females .	868	878	871	898	940	942	973	1056	1023	1076	952·5	1002
TOTAL Deaths	975	1207	1137	1452	1607	1414	2600	1347	1885	1646	1527·0	1700*
Males . .	480	621	618	733	848	753	1312	687	945	863	786·0	874
Females .	495	586	519	719	759	661	1288	660	940	783	741·0	826

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	May 7.	May 14.	May 21.	May 28.	June 4.	June 11.	June 18.	June 25.	July 2.	July 9.	July 16.	July 23.	July 30.
TOTAL Deaths . . .	1314	1426	1313	1233	1232	1273	1292	1282	1359	1497	1498	1754	1700*
Deaths under 5 years of age .	515	589	544	515	482	542	544	575	682	813	765	966	989
Deaths 5—20	95	112	119	95	125	105	112	124	114	115	128	136	114
Deaths 20—40	199	215	195	193	206	208	177	173	161	171	188	193	167
Deaths 40—60	242	230	199	206	205	201	209	188	189	187	187	214	205
Deaths 60—80	219	238	208	196	176	186	208	184	183	177	178	195	186
Deaths at 80 years & upwards	44	42	48	34	38	31	42	38	30	34	52	50	39
Deaths from Small-pox . .	9	6	19	11	12	8	7	11	12	13	11	15	11
" Measles	49	42	36	31	34	53	36	51	42	41	31	33	30
" Scarlet Fever	74	76	81	90	91	103	100	95	80	104	85	130	100
" Diphtheria	1	3	5	3	7	4	7	4	6	3	7	7	5
" Whooping-cough . . .	33	43	35	28	24	33	25	27	28	24	31	20	26
" Typhus fever	8	7	7	8	3	4	16	7	8	9	14	10	8
" Enteric (or Ty- phoid) fever	11	15	14	13	17	8	16	21	12	21	18	22	14
" Simple Contag. fever .	12	11	12	11	14	14	15	6	7	11	7	14	9
" Diarrhoea	14	14	17	13	22	34	56	86	192	258	259	385	371
" Simple Cholera	—	—	—	—	1	1	—	2	12	10	22	31	46
" Phthisis	188	200	165	179	173	181	161	145	149	141	142	148	158
" Bronchitis	123	136	116	98	85	75	80	61	56	59	61	65	66
" Pneumonia	67	59	65	57	57	61	50	48	41	43	34	43	38
" Heart Disease	51	70	59	52	70	43	60	57	60	63	66	52	48
Mean Temperature of the Air	45·6	49·3	59·8	56·6	58·1	58·0	64·6	63·8	57·7	65·0	65·7	68·5	64·8
Mean Temperature of the Water of the Thames . . .	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air . . .	76	83	69	69	77	68	68	66	71	72	67	64	74
Rain-fall in inches	0·02	0·37	0·04	0·00	0·16	0·00	0·15	0·12	0·16	0·12	0·80	0·00	0·93

* The return for the sub-district of Berwick-street (Westminster St. James) was not received when the tables were under preparation, but an average of 6, derived from the returns of six previous weeks, is inserted.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., Portsmouth; M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., M.S., Wolverhampton; D. Smith, Esq., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Rotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; E. Peak, Hull; and Wm. Lynam, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 30th day of July 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acre.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 30th July.	DEATHS registered during the Week ending 30th July.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM -	213,281	7,216,325	33·8	4773	3883	90·2	38·5	63·0	17·22	0·11	0·2
LONDON - - -	77,997	3,214,707	41·2	2078	1700	88·8	49·7	64·8	18·22	0·93	2·3
PORTSMOUTH - -	9,513	122,084	12·8	65	43	85·3	47·5	65·9	18·83	0·64	1·6
NORWICH - - -	7,472	81,087	10·9	54	45	77·5	54·0	62·4	16·89	0·27	0·6
BRISTOL - - -	4,688	171,382	36·6	119	122	90·2	46·0	64·9	18·28	0·05	0·1
WOLVERHAMPTON -	3,387	72,990	21·5	46	36	87·4	47·2	62·7	17·06	0·00	0·0
BIRMINGHAM - -	7,831	369,604	47·2	228	178	87·2	48·7	62·8	17·11	0·04	0·1
LEICESTER - - -	3,200	97,427	30·4	70	65	85·7	53·7	64·5	18·05	0·10	0·2
NOTTINGHAM - -	1,996	88,888	44·5	50	54	87·5	53·3	65·2	18·44	0·11	0·2
LIVERPOOL - - -	5,108	517,567	101·3	371	339	85·1	48·9	62·9	17·17	0·00	0·0
MANCHESTER - -	4,486	374,993	83·6	253	204	88·0	49·0	64·3	17·94	0·00	0·0
SALFORD - - -	5,172	121,580	23·5	82	71	87·3	46·0	63·5	17·50	0·00	0·0
BRADFORD - - -	6,590	143,197	21·7	72	91	85·0	52·9	63·7	17·61	0·00	0·0
LEEDS - - -	21,572	259,527	12·0	174	166	86·0	53·0	64·8	18·22	0·00	0·0
SHEFFIELD - - -	22,830	247,378	10·8	198	160	82·2	52·0	63·1	17·28	0·03	0·0
HULL - - -	3,562	130,869	36·7	75	62	79·0	47·0	60·0	15·56	0·01	0·0
SUNDERLAND - -	3,306	100,979	30·5	77	45	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	95	62	74·0	51·0	58·3	14·61	0·00	0·0
EDINBURGH - - -	4,427	178,970	40·4	132	81	82·7	45·0	60·5	15·83	0·00	0·0
GLASGOW - - -	5,063	468,189	92·5	386	245	85·2	45·0	62·9	17·17	0·00	0·0
DUBLIN - - -	9,745	321,540	33·0	148	114	85·9	38·5	60·4	15·78	0·00	0·0
PARIS - - -	7,802	1,889,842	242	—	1195	—	—	—	—	—	—
VIENNA - - -	3,728*	622,087	167	Week ending 23 July 1870.	Week ending 23 July 1870. 398	—	—	Week ending 23d July 1870. 68·0	20·00	—	—
BERLIN - - -	6,253	800,000	128	Week ending 23 July 1870.	Week ending 23 July 1870.	—	—	Week ending 23th July 1870. —	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 30th day of July 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	To Public	
Total of 17 TOWNS -	29	3443	1493	451	12	49	190	8	51	77	809	120	181	38	
LONDON - - -	28	1700	694	224	11	30	100	5	26	31	371	57	96	21	
PORTSMOUTH - - -	18	43	19	7	-	-	2	-	2	-	11	1	4	-	
NORWICH - - -	29	45	20	7	-	-	1	-	1	-	12	-	1	-	
BRISTOL - - -	37	122	50	13	-	3	23	-	-	4	18	6	6	1	
WOLVERHAMPTON -	26	36	13	5	-	-	-	-	-	1	9	2	4	-	
BIRMINGHAM - -	25	178	79	19	-	2	11	-	3	3	57	10	16	-	
LEICESTER - - -	35	65	39	7	-	-	1	-	2	-	21	-	2	-	
NOTTINGHAM - -	32	54	24	13	-	-	1	-	-	1	11	2	3	-	
LIVERPOOL - - -	34	339	154	51	1	3	19	-	7	13	75	11	14	-	
MANCHESTER - -	28	204	81	26	-	-	5	-	2	3	44	12	15	-	
SALFORD - - -	30	71	38	9	-	-	2	-	-	2	26	-	-	-	
BRADFORD - - -	33	91	42	7	-	2	5	-	2	4	15	1	2	-	
LEEDS - - -	33	166	75	22	-	8	7	1	3	9	38	9	9	-	
SHEFFIELD - - -	34	160	85	15	-	1	8	2	3	4	66	2	3	-	
HULL - - -	25	62	31	9	-	-	4	-	-	-	17	2	2	-	
SUNDERLAND - -	23	45	23	7	-	-	-	-	-	1	9	3	3	-	
NEWCASTLE-ON-TYNE -	24	62	26	10	-	-	1	-	-	1	9	2	1	-	
DUBLIN - - -	18	114	19	19	-	1	4	-	-	7	4	-	-	-	

TABLE 5.—DEATHS in LONDON Registered in the THIRTIETH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Thirtieth Week in the 10 years 1860-69.	In the Week ending Saturday, July 30, 1870.							Averages of the Thirtieth Week in the 10 years 1860-69.		In the Week ending Saturday, July 30, 1870.						
			Deaths of Persons of the Ages									Deaths of Persons of the Ages						
			ALL AGES.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temp.			ALL AGES.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	
Mean Temperature	61.5	64.8	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	61.5	64.8	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	
ALL CAUSES	1527.0	1700.7	986	114	166	204	185	39										
SPECIFIED CAUSES	1508.8	1687	980	114	165	204	185	39										
ZYMOTIC DISEASES.																		
ORDER 1.																		
Small-pox	12.8	11	3	5	2	1	-	-										
Measles	37.9	30	30	32	2	-	-	-										
Scarlet Fever (Scarlatina)	50.5	100	66	32	2	-	-	-										
Diphtheria	8.2	5	3	2	-	-	-	-										
Quincy	1.4	1	-	-	-	-	-	-										
Croup	11.3	7	7	-	-	-	-	-										
Whooping cough	41.3	26	25	1	-	-	-	-										
Typhus	-	8	1	2	1	3	1	-										
Enteric or Typhoid Fever	46.4	14	-	6	4	3	1	-										
Simple continued Fever	-	9	3	3	1	2	-	-										
Erysipelas	5.1	6	1	-	-	-	-	-										
Puerperal Fever (Metria)	2.3	4	1	3	-	-	-	-										
Carbuncle	-	-	-	-	-	-	-	-										
Influenza	-	2	1	1	-	-	-	-										
Dysentery	3.0	2	1	-	-	-	1	-										
Diarrhoea	245.9	371	348	1	1	5	11	5										
Simple Cholera	109.5	43	33	1	2	2	3	-										
Ague	-	1	-	-	-	-	-	-										
Remittent Fever	-	6	1	-	-	-	-	-										
Rheumatism	4.6	5	-	2	3	-	-	-										
Other Zymotic Diseases	1	2	1	-	1	-	-	-										
ORDER 2.																		
Syphilis	8.6	8	6	-	1	1	-	-										
Stricture of Urethra	9	2	-	-	-	1	1	-										
Hydrophobia	1	-	-	-	-	-	-	-										
Glanders	-	-	-	-	-	-	-	-										
ORDER 3.																		
Privation	3	-	-	-	-	-	-	-										
Want of Breast-milk	15.2	21	21	-	-	-	-	-										
Purpura and Scurvy	1.5	2	1	-	-	-	-	-										
Alcohol & Del. Tremens	3.0	4	-	-	2	1	1	-										
Alism & Intemperance	1.5	1	-	-	1	-	-	-										
ORDER 4.																		
Thrush	6.1	11	11	-	-	-	-	-										
Worms, &c.	-	-	-	-	-	-	-	-										
CONSTITUTIONAL DIS.																		
ORDER 1.																		
Gout	1.9	6	-	-	3	3	-	-										
Dropsy	10.9	8	1	-	-	2	5	-										
Cancer	32.0	34	-	-	1	18	14	1										
Cancrum Oris (Noma)	6	-	-	-	-	-	-	-										
Mortification	3.3	3	-	-	-	2	1	-										
ORDER 2.																		
Scrofula	9.9	8	5	1	1	-	1	-										
Tuberc Mesenterica	31.8	40	38	1	1	-	-	-										
Phthisis	151.9	158	16	18	71	49	4	-										
Hydrocephalus	29.3	36	33	3	-	-	-	-										
LOCAL DISEASES.																		
ORDER 1.																		
Cephalitis	14.7	25	15	5	4	1	-	-										
Apoplexy	28.6	31	4	1	2	7	15	2										
Paralysis	20.0	27	-	-	1	9	15	2										
Insanity	1.7	2	-	-	1	1	-	-										
Chorea	1	1	1	-	-	-	-	-										
Epilepsy	6.6	7	1	-	1	3	2	-										
Convulsions	49.9	36	36	-	-	-	-	-										
Brain Disease, &c.	17.0	15	1	3	2	5	4	-										
ORDER 2.																		
Pericarditis	3.0	-	-	-	-	-	-	-										
Aneurism	1.6	3	-	-	2	1	-	-										
Heart Disease, &c.	49.9	48	3	3	6	17	18	1										
ORDER 3.																		
Laryngitis	4.6	4	3	1	-	-	-	-										
Bronchitis	53.2	66	27	-	3	15	16	5										
Pleurisy	2.6	-	-	-	-	-	-	-										
Pneumonia	42.5	38	22	1	4	3	7	1										
Asthma	4.1	2	-	-	1	-	1	-										
Lung Disease, &c.	9.1	11	6	1	2	2	-	-										
ORDER 4.																		
Gastritis	1.7	6	1	1	2	1	1	-										
Enteritis	8.7	8	8	-	-	-	-	-										
Peritonitis	4.2	7	3	-	3	1	-	-										
Ascites	2.3	4	-	-	-	1	3	-										
Ulceration of Intestines	2.5	4	1	-	-	2	1	-										
Hernia	3.0	1	-	-	-	-	1	-										
Leus	2.8	6	1	-	2	1	2	-										
Intussusception	9	1	-	-	-	-	1	-										
CAUSES OF DEATH.																		
ORDER 5.																		
1. Stricture of Intestines	5	2	-	-	-	1	-	-										
10. Fistula	5	-	-	-	-	-	-	-										
11. Stomach Disease, &c.	7.4	7	3	-	-	1	2	1										
12. Pancreas Disease, &c.	-	-	-	-	-	-	-	-										
13. Hepatitis	4.5	2	-	-	-	-	-	-										
14. Jaundice	5.6	8	6	-	-	1	1	1										
15. Liver Disease, &c.	15.9	24	1	-	4	14	4	-										
16. Spleen Disease, &c.	1	-	-	-	-	-	-	-										
ORDER 6.																		
1. Nephritis	9	1	1	-	-	-	-	-										
2. Ischuria	1	1	-	-	-	-	-	-										
3. Bright's Disease (Nephria)	7.5	8	-	1	-	5	2	-										
4. Diabetes	1.1	3	-	-	1	1	1	-										
5. Calculus (Stone)	8	-	-	-	-	-	-	-										
6. Cystitis	4	-	-	-	-	-	-	-										
7. Kidney Disease, &c.	7.4	6	-	-	2	4	-	-										
ORDER 7.																		
1. Ovarian Dropsy	6	1	-	-	1	-	-	-										
2. Uterus Disease, &c.	4.2	5	-	1	3	1	-	-										
ORDER 8.																		
1. Syovitis (Arthritis)	3	-	-	-	-	-	-	-										
2. Joint Disease, &c.	4.2	4	-	1	2	-	1	-										
ORDER 9.																		
1. Phlegmon	1.5	2	1	-	-	1	-	-										
2. Ulcer	9	2	1	-	-	-	1	-										
3. Skin Disease, &c.	4	-	-	-	-	-	-	-										
IV. DEVELOPMENTAL DISEASES.																		
ORDER 1.																		
1. Premature Birth	19.5	28	28	-	-	-	-	-										
2. Cyanosis	1.7	2	2	-	-	-	-	-										
3. Spina Bifida	1.8	1	1	-	-	-	-	-										
4. O'r-r Malformations	1.5	1	-	-	-	-	-	-										
5. Teething	17.1	19	19	-	-	-	-	-										
ORDER 2.																		
1. Paramenia	4	-	-	-	-	-	-	-										
2. Childbirth (see Puer- peral Fever)	4.9	6	-	-	4	2	-	-										
ORDER 3.																		
1. Old Age	41.5	42	-	-	-	25	17	-										
ORDER 4.																		
1. Atrophy and Debility	84.1	112	104	1	1	1	5	-										
V. VIOLENT DEATHS, &c.																		
ORDER 1.																		
(ACCIDENT OR NEGLIGENCE.)																		
1. Fractures and Contusions	15.5	12	3	3	4	1	1	-										
2. Wounds	4	-	-	-	1	-	-	-										
3. Burns and Scalds	4.0	3	1	1	-	-	1	-										
4. Poison	1.0	1	-	-	-	-	-	-										
5. Drowning	10.4	13	2	5	4	2	-	-										
6. Suffocation	5.4	8	8	-	-	-	-	-										
7. Otherwise	3.7	4	2	2	-	-	-	-										
ORDER 3.																		
(HOMICIDE.)																		
1. Murder and Manslaughter	1.9	4	4	-	-	-	-	-										
ORDER 4.																		
(SUICIDE.)																		
1. Wounds { Gunshot	1	-	-	-	-	-	-	-										
{ Cut, Stab	1.5	2	1	-	1	1	-	-										
2. Poison	6	1	-	-	1	-	1	-										
3. Drowning	7	2	-	-	-	-	-	-										
4. Hanging	1.4	2	-	-	1	1	-	-										
5. Otherwise	7	2	-	-	1	-	-	1										
ORDER 5.																		
(EXECUTION.)																		
1. Hanging	-	-	-	-	-	-	-	-										
Violent Deaths (not classed)																		
Sudden Deaths (Cause un- ascertained)	3.4	2	1	-	1	-	-	-										
Causes not specified or ill- defined	14.8	11	5	-	-	-	-	-										

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

† An average of 6 is added without distinction of ages. See note *, page 253.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fevrr.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti-
LONDON		2,803,989	2078	1700	694	224	11	30	100	5	26	8	14	9	371	57	96	2
WEST DISTRICTS		468,125	296	265	98	31	-	6	27	1	7	2	1	4	54	7	13	-
NORTH DISTRICTS		618,210	478	399	143	60	6	9	31	2	3	3	6	1	72	17	31	-
CENTRAL DISTRICTS		388,321	204	202	80	24	-	5	11	1	-	-	3	3	39	6	12	-
EAST DISTRICTS		571,158	506	335	143	44	4	6	5	-	4	2	-	-	91	13	28	-
SOUTH DISTRICTS		773,175	594	469	239	65	1	4	26	1	12	1	4	1	115	14	12	-
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	27	27	14	4	-	-	2	-	3	-	-	1	6	2	3	-
St. John Paddington H		38769	12	17	5	2	-	-	-	-	-	-	-	-	1	2	4	-
Kensington Town W		51910	52	42	19	6	-	-	5	-	-	-	-	1	11	4	-	-
Brompton H		18198	12	13	5	-	-	-	-	-	-	1	-	-	-	-	-	-
St. Peter Hammersmith		5415	3	8	2	2	-	-	2	-	-	-	-	-	4	-	1	-
St. Paul Hammersmith H		19104	12	15	5	1	-	-	3	-	-	-	-	-	4	-	2	-
Fulham W		15539	19	18	11	1	-	-	1	-	-	-	-	-	7	-	-	-
Chelsea South H		21654	12	5	1	-	-	2	1	-	-	1	-	-	1	-	-	-
Chelsea North-west HW		19869	17	10	4	1	-	-	1	-	-	-	-	-	2	-	-	-
Chelsea North-east		21886	15	13	4	3	-	3	-	-	-	-	-	-	-	-	-	-
Hanover Square		19773	10	6	2	1	-	-	-	-	2	-	-	-	-	1	2	-
May Fair W		12885	4	5	1	-	-	-	-	-	-	-	-	-	1	6	1	1
Belgrave H		55113	33	28	7	3	-	-	8	-	-	-	-	1	6	1	1	-
St. John Westminster H		37483	24	20	10	1	-	-	1	-	2	-	-	-	1	6	1	-
St. Margaret Westminster WH		30730	20	12	3	3	-	1	2	-	-	-	-	-	-	-	-	-
St. James's Square		10753	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Golden Square W		13986	5	7	2	2	-	-	1	-	-	-	-	-	2	-	-	-
Berwick-street		10607	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Anne Soho		17426	11	6	3	-	-	-	1	-	-	1	-	-	1	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	12	8	1	-	-	-	1	-	-	-	-	-	1	1	1	-
Cavendish Square		15090	7	4	-	1	-	-	-	-	-	-	-	-	2	1	1	-
Rectory Marylebone W		26692	18	22	4	4	-	-	1	-	1	-	-	-	3	-	-	-
St. Mary Marylebone H		22493	13	12	4	4	-	-	1	-	-	-	-	-	2	-	-	-
Christchurch Marylebone		34913	16	16	6	5	-	-	2	-	-	-	-	-	3	-	2	-
St. John Marylebone		32540	19	7	3	-	-	-	3	-	-	-	-	-	1	-	-	-
Hampstead WH		19106	27	8	3	-	-	-	2	1	-	-	-	-	1	-	-	-
Regent's Park Paneras		34927	23	12	4	2	-	-	3	-	-	-	1	-	1	1	1	-
Tottenham-court WH		29371	15	22	2	5	-	2	3	-	-	-	-	-	1	2	2	-
Gray's Inn Lane H		27808	16	12	3	4	-	-	-	-	-	-	-	-	3	1	2	-
Somers Town		39099	21	19	6	1	-	-	2	1	-	-	1	-	3	1	3	-
Camden Town W		23266	23	18	7	5	-	-	-	-	-	-	-	-	8	1	3	-
Kentish Town		44317	46	57	20	3	-	-	3	-	-	-	-	-	11	-	-	-
Islington West* WHH		75442	68	72	23	8	4	4	4	-	1	3	2	-	17	4	9	-
Islington East Ww		79899	73	61	30	4	2	2	3	-	1	3	2	-	11	-	-	-
Stoke Newington		6608	2	4	3	1	-	-	-	-	-	-	-	-	3	-	-	-
Stamford Hill		5483	2	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-
West Hackney		24265	24	18	6	2	-	-	2	-	-	-	-	-	7	2	2	-
Hackney WHw		31481	29	31	12	5	-	1	-	-	-	-	-	-	6	-	-	-
South Hackney L		15463	22	15	6	2	-	-	1	-	-	-	-	-	7	-	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	10	15	7	3	-	1	-	-	-	-	2	1	3	-	-	-
St. Giles South WH		19483	13	20	2	2	-	-	5	-	-	-	-	-	2	-	1	-
St. Giles North		17201	10	6	4	-	-	1	2	-	-	-	-	-	3	-	-	-
Long Acre		11618	12	3	3	-	-	-	-	-	-	-	-	-	2	-	1	-
Charing Cross WH		11071	3	4	1	-	-	-	-	-	-	-	-	-	4	-	-	-
St. Mary-le-Strand		10346	7	8	6	-	-	-	-	-	-	-	-	-	1	1	1	-
St. Clement Danes H		15207	4	11	1	1	-	-	1	-	-	-	-	-	-	-	-	-
St. George-the-Martyr H		19903	12	12	6	1	-	-	1	1	-	-	-	-	2	-	-	-
St. Andrew East Holborn W		12947	7	16	6	4	-	-	7	-	-	-	-	-	4	-	1	-
Saffron Hill		12012	4	6	2	1	-	-	-	-	-	-	-	-	1	1	1	-
St. James Clerkenwell W		19152	14	10	3	-	-	2	2	-	-	-	-	-	1	1	1	-
Amwell Clerkenwell		17250	9	5	2	-	-	-	-	-	-	-	-	-	1	1	1	-
Pentonville		13079	8	9	5	2	-	-	-	-	-	-	-	-	2	-	-	-
Goswell-street		16290	12	4	2	1	-	-	-	-	-	-	-	-	1	2	-	-
Old-street		11504	10	7	6	1	-	-	-	-	-	-	-	-	3	-	-	-
City-road HL		17860	11	15	8	-	-	-	-	-	-	-	-	-	1	3	1	1
Whitecross street		14778	16	9	6	-	-	1	-	-	-	-	-	-	2	-	-	-
Finsbury		12931	6	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Botolph East London		20990	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate		19697	6	6	2	3	-	-	-	-	-	-	-	-	1	1	-	-
St. Sepulchre WH		11750	1	11	-	2	-	-	-	-	-	-	1	-	-	2	2	-
St. Bride W		15395	3	6	4	-	-	-	-	-	-	-	-	-	1	-	-	-
Castle Baynard		7762	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9020	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking		8659	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street		11544	7	5	1	2	-	-	-	-	-	-	-	-	1	1	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

‡ See note *, page 253.

FEVER, DIPHTHERIA, WHOOPING-COUGH, MEASLES, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Saturday, 30th July 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																		
lywell Shoreditch	-	17313	6	4	2	-	-	-	-	-	-	-	-	-	-	2	-	-
Leonard Shoreditch	L†	19188	10	10	5	-	-	1	-	-	-	-	-	-	-	2	-	-
Hoxton New Town	W	26516	25	25	10	8	-	-	-	-	-	-	-	-	-	3	2	6
Hoxton Old Town	-	25777	27	15	5	3	-	-	-	-	-	-	-	-	-	3	-	-
Aggerstone West	W	23260	33	21	14	4	-	-	-	-	-	-	-	-	-	8	6	6
Aggerstone East	-	17310	23	8	3	1	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone-road	-	26298	31	16	7	1	-	-	-	-	-	-	-	-	-	3	-	-
Aggerstone, Bethnal Green	WH†	31789	38	16	8	2	-	-	-	1	-	2	-	-	-	4	-	-
Aggerstone Church, Bethnal Green	-	25528	17	7	5	1	-	-	-	1	-	-	-	-	-	3	-	3
Aggerstone, Bethnal Green	-	21486	20	14	5	1	3	-	1	-	-	-	-	-	-	4	-	-
Aggerstone Whitechapel	-	6557	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Aggerstone, Whitechapel	-	15700	13	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Aggerstone End New Town	W	15392	15	12	4	1	-	-	-	-	-	-	-	-	-	1	1	4
Aggerstone Whitechapel North	-	12122	5	4	2	-	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone Whitechapel Church	H	8082	3	15	1	-	-	-	-	-	-	-	-	-	-	1	4	14
Aggerstone Edman's Fields	-	11166	6	7	4	1	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone Gate	-	9071	9	8	6	-	-	-	-	-	-	-	-	-	-	3	1	-
Mary St. George East	-	18181	3	8	5	-	-	-	-	-	-	-	-	-	-	1	-	-
Paul St. George East	-	21015	17	12	3	1	-	-	-	-	-	1	-	-	-	4	-	-
John St. George East	W	9695	3	10	2	2	-	-	-	-	-	1	-	-	-	2	-	6
Aggerstone, W	-	12537	8	2	2	-	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	16874	11	6	3	-	-	-	-	-	-	1	-	-	-	2	-	1
Aggerstone, W	-	27161	19	5	3	-	-	-	-	-	-	-	-	-	-	2	-	-
Aggerstone End Old Town West	-	33747	29	22	11	3	-	1	-	-	-	-	-	-	-	10	1	-
Aggerstone End Old Town East	W	39317	39	20	9	3	-	1	-	-	-	-	-	-	-	7	1	2
Aggerstone W	-	35687	52	37	14	7	1	1	-	1	-	-	-	-	-	9	1	6
Aggerstone, W	-	43529	30	24	7	3	-	-	-	-	-	-	-	-	-	4	1	-
SOUTH DISTRICTS.																		
Aggerstone Church Southwark	W	17069	8	7	4	1	-	-	-	-	-	-	-	-	-	3	1	1
Aggerstone Saviour Southwark	H	19101	17	7	4	1	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	19652	10	11	3	1	-	-	-	-	-	-	-	-	-	2	-	-
Aggerstone, W	-	16668	17	9	3	1	-	-	-	-	-	-	-	-	-	3	-	3
Aggerstone, W	-	19190	6	15	7	3	-	-	-	-	-	-	-	-	-	3	1	2
Aggerstone, W	-	22675	23	5	3	-	-	-	-	-	-	-	-	-	-	3	-	-
Aggerstone, W	-	44463	36	30	3	7	-	2	1	-	2	-	-	-	-	4	-	9
Aggerstone, W	-	15082	10	9	4	-	-	-	-	-	-	1	-	-	-	1	-	2
Aggerstone, W	-	7683	1	15	1	1	-	-	1	-	-	-	-	-	-	-	1	12
Aggerstone, W	-	11393	8	4	1	1	-	-	-	-	-	-	-	-	-	2	-	-
Aggerstone, W	-	16696	8	6	4	1	-	-	-	-	-	-	-	-	-	2	-	-
Aggerstone, W	-	16505	7	7	1	2	-	-	-	-	-	2	-	-	-	-	-	2
Aggerstone, W	-	25154	31	23	14	3	-	-	-	-	-	-	-	-	-	6	-	-
Aggerstone, W	-	24502	19	15	6	2	-	1	-	-	-	-	-	-	-	3	2	1
Aggerstone, W	-	15269	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Aggerstone, W	-	18640	19	8	5	1	1	-	-	-	-	-	-	-	-	2	-	-
Aggerstone, W	-	19839	14	10	4	-	-	-	-	-	-	-	-	-	-	-	1	1
Aggerstone, W	-	28542	30	18	6	3	-	-	-	-	-	-	-	-	-	7	-	-
Aggerstone, W	-	30755	23	13	7	1	1	1	-	-	-	-	-	-	-	4	-	2
Aggerstone, W	-	20440	15	6	6	-	-	-	-	-	-	-	-	-	-	3	-	-
Aggerstone, W	-	20067	23	17	8	3	-	-	-	-	-	-	-	-	-	4	-	-
Aggerstone, W	-	7462	6	5	4	-	-	-	-	-	-	-	-	-	-	2	-	-
Aggerstone, W	-	20894	13	9	6	1	-	-	-	-	-	-	-	-	-	3	-	-
Aggerstone, W	-	19600	31	43	13	5	-	-	-	-	-	-	-	-	-	6	2	3
Aggerstone, W	-	13346	4	9	3	1	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	6481	4	5	2	1	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	10082	5	5	1	2	-	-	-	-	-	-	-	-	-	2	-	-
Aggerstone, W	-	1723	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Aggerstone, W	-	21297	26	15	5	1	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	28135	22	32	15	5	-	-	-	-	-	-	-	-	-	12	2	2
Aggerstone, W	-	20333	20	20	15	2	-	-	-	-	-	-	-	-	-	6	1	1
Aggerstone, W	-	37334	28	24	16	2	-	-	-	-	-	-	-	-	-	8	-	-
Aggerstone, W	-	8139	8	2	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	21696	12	15	7	4	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	18306	11	11	3	1	-	-	-	-	-	-	-	-	-	2	3	7
Aggerstone, W	-	3009	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Aggerstone, W	-	11003	16	10	6	1	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	7372	4	4	3	-	-	-	-	-	-	-	-	-	-	3	-	-
Aggerstone, W	-	10595	7	9	6	1	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	9276	5	9	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Aggerstone, W	-	22919	9	7	4	1	-	-	-	-	-	-	-	-	-	2	-	-
Aggerstone, W	-	18776	12	8	4	-	-	-	-	-	-	-	-	-	-	1	-	-
Aggerstone, W	-	6	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aggerstone, W	-	24502	7	12	5	2	-	-	-	-	-	-	-	-	-	2	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district. Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " " Tottenham-court sub-district. London City " " " Mile End Old Town Eastern sub-dist. and
London City " " " Islington East. Bow sub-district.
Do. do. " " " Hackney sub-district. Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 30th JULY, 1870.

[Under the Superintendence of the Astronomer Royal.]

1870.			READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.				
MOON.		Phases of Moon.	BARO-METER.		Dry.				Highest in the Water of the Thames at Greenwich, by a self-registering thermometer.		Lowest on the grass, as a self-registering thermometer.		Between Dew Point and Temperature.		Between mean temperature of the day and the same day on an average of 50 years.*		As deduced from Anemometers.		Collected in a Gauge whose surface is 5 in. above the ground.						
Mean.	Mean.		High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.				
JULY.																									
SUNDAY	24	..	29-809	82.2	59.3	22.9	69.8	53.8	147.7	54.2	16.0	24.1	4.2	8.1	57	E.	E. & ENE.	4.2	0.0	3			
MONDAY	25	..	29-666	88.8	59.6	29.2	71.7	57.0	148.7	51.2	..	..	14.7	27.8	2.9	9.9	60	ENE. E. & SSW.	1.3	0.0	4		
TUESDAY	26	Greatest Dec. N.	29-770	76.8	60.6	16.2	66.1	61.0	111.0	52.4	..	..	5.1	13.3	0.4	4.2	84	Variable	3.7	0.0	2		
WEDNESDAY	27	..	29-876	82.3	59.9	22.4	67.4	59.3	140.3	55.6	..	..	8.1	22.6	0.9	5.4	75	NNE.	2.3	0.0	4		
THURSDAY	28	New	29-999	64.9	52.0	12.9	57.6	52.9	82.7	48.0	..	..	4.7	9.2	2.1	4.6	84	NNE.	2.1	0.0	4		
FRIDAY	29	..	29-931	67.3	49.7	17.6	58.2	50.5	102.0	41.2	..	..	7.7	16.4	3.1	4.1	76	NNE. & ENE.	1.3	0.0	5		
SATURDAY	30	..	29-794	74.9	55.4	19.5	63.1	56.9	124.7	55.0	..	..	6.2	17.0	1.1	0.7	80	ENE. & ESE.	0.7	0.0	5		
MEANS		..	29-835	76.7	56.6	20.1	64.8	55.9	122.4	51.1	8.9	18.6	2.1	2.8	74	N, NE.	Sum 1778	0.93	Sum 3.9		
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

ELECTRICITY.

SKY AND ATMOSPHERE.

NOTES.

DATE.	JULY.	DATE.	JULY.	DATE.	JULY.	DATE.	JULY.
SUNDAY . 24		SUNDAY . 24		SUNDAY . 24		SUNDAY . 24	
MONDAY . 25		MONDAY . 25		MONDAY . 25		MONDAY . 25	
TUESDAY . 26		TUESDAY . 26		TUESDAY . 26		TUESDAY . 26	
WEDNESDAY 27		WEDNESDAY 27		WEDNESDAY 27		WEDNESDAY 27	
THURSDAY . 28		THURSDAY . 28		THURSDAY . 28		THURSDAY . 28	
FRIDAY . 29		FRIDAY . 29		FRIDAY . 29		FRIDAY . 29	
SATURDAY . 30		SATURDAY . 30		SATURDAY . 30		SATURDAY . 30	

The height of the cistern of the barometer is considered to be 153 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometer readings are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is also determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1883, December 31. In reading the 17th column, the word "borne in mind" is read "brought to mind," and "lower" than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.91 in. at the beginning of the week to 29.64 in. by 9h. A.M. on the 25th; increased to 29.92 in. by 9h. P.M. on the 28th; and decreased to 29.73 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

~~~~~  
By Authority of the Registrar General.  
~~~~~

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 31. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, AUGUST 6. [Price 1d.

*General Register Office, Somerset House,
8th August 1870.*

DURING the week ending Saturday the 6th instant, 4801 *births* and 3992 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 29 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the four preceding weeks was 26 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow:—Liverpool 40 per 1000, Bradford 44, Manchester 32, Salford 33, London 27, Birmingham 27, Newcastle-upon-Tyne 28, Leeds 42, Portsmouth 30, Sheffield 35, Hull 24, Wolverhampton 34, Bristol 28, Nottingham 25, Sunderland 26, Leicester 35, and Norwich 28. Since the beginning of July the proportion of deaths in the 17 Towns by the seven principal zymotic diseases has risen from 27 to 39 per cent. of the deaths from all causes; and the ratio of infant deaths has increased from 33 to 44 per cent. of the total deaths. The whole of this increase is due to the prevalence of diarrhoea, which caused 1005 deaths last week against 364 deaths in the week ending 9th July. The annual death-rate from diarrhoea has risen successively in the last five weeks from 3·0 to 3·6, 5·5, 6·8, and 8·4 per 1000 persons living. The following are the annual death-rates from diarrhoea during the last three weeks in each of the 17 Cities and Towns: Sheffield 11·2 per 1000, Leicester 10·9, Salford 10·6, Leeds 9·8, Liverpool 8·4, Birmingham 7·9, Manchester 7·7, Wolverhampton 7·6, Nottingham 6·7, London 6·2, Norwich 6·0, Bradford 5·9, Portsmouth 5·4, Hull 4·6, Newcastle-on-Tyne 4·5, Bristol 4·1, Sunderland 3·5.

In Edinburgh the annual rate of mortality last week was 22 per 1000 persons living, in Glasgow 25 per 1000, and in Dublin 18.

In Paris the deaths registered during the week ending last Saturday were at the annual rate of 31 per 1000 persons living: the reported deaths from small-pox were 151, as compared with a weekly average of 213 during the preceding 12 weeks. In Vienna the annual rate of mortality during the week ending the 30th ultimo was 28 per 1000. In the City of Bombay the deaths registered during the week ending 12th July were 238, and the mortality was at the annual rate of 15 per 1000.

In LONDON the *births* of 1016 boys and 1066 girls, in all 2082 children, were registered last week. The *deaths* registered in the same time were 1648. During the corresponding weeks of ten previous years the registered births averaged 1939, and the deaths 1515 per week; after making due allowance for increase of population, the average for the past week is estimated at 2133 births and 1667 deaths; the registered births, therefore, were 51, and the deaths 19, below the estimated average.

Zymotic diseases caused 726 deaths, including 15 from small-pox, 33 from measles, 114 from scarlet fever, 4 from diphtheria, 5 from croup, 24 from whooping-cough, 10 from typhus, 24 from enteric (or typhoid) fever, 8 from simple continued fever, 1 from relapsing fever, 9 from erysipelas, and 385 from diarrhoea.

From "simple cholera" and choleraic diarrhœa 32 deaths were registered.

Diarrhœa has often latterly assumed a choleraic form. The complaint, in its first stages amenable to medical treatment,* if neglected is, as the returns show, often fatal.

Of the 15 fatal cases of small-pox, 4 occurred in the Town sub-district of Bethnal-green to children who were said to have been vaccinated; there were 3 fatal cases in the same sub-district recorded in the previous week's return.

Forty deaths resulted from violence: of these 32 were accidental, including the 6 children who were burnt to death at a fire in the Waterloo-road on the 23d ultimo; and one death by hanging (execution) took place at Newgate.

A sailor, aged 16 years, and a carpenter, aged 22 years, died of sunstroke. A cabinet maker's widow, aged 63 years, died on 30th July at Pancras workhouse, of "exhaustion, accelerated by want, and removal to the workhouse in a cab."

Two fatal accidents caused by horses or vehicles in the streets were returned last week; a cabriolet driver, aged 43 years, died on 31st July, at St. Bartholomew's Hospital, of "fractured skull, thrown out of a cart by the horse falling, in the City-road;" a girl, aged 5 years, died on 30th July, on the way to the London Hospital, of internal injuries from being run over by an omnibus.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29°·658 in.; the highest was 29°·79 in. on Saturday, and the lowest was 29°·57 in. on Thursday. The mean temperature of the *air* was 65°·3, or 3°·0 above the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 81°·0 on Monday and Saturday; the lowest night temperature was 53°·5 on Saturday; the entire range of temperature in the week was, therefore, 27°·5. The highest temperature in the sun was 146°·8 on Friday. The mean temperature was from 2° to 5° above the average on every day in the week except Tuesday and Wednesday. The difference between the mean *dew-point* temperature and *air* temperature was 6°·2. The mean degree of *humidity* of the air was 81, complete saturation being represented by 100. *Rain* fell on Monday and Tuesday to the amount of 0·15 in. The general direction of the *wind* was N.E. and S.W.; and the horizontal movement of the air amounted to 6·7 miles per hour.

The total rain-fall measured at Greenwich from January to July (inclusive) has been 7·3 in., the corresponding average measured during 54 years having been 13½ in. The fall in July last was 2·0 in., or about half an inch less than the average fall for the month.

The mean temperature of the week in the other large English towns furnishing returns ranged from 58°·7 in Newcastle-upon-Tyne to 67°·7 in Leicester; the lowest recorded night temperature was 49°·9 in Salford, and the highest day temperature in the shade was 84°·2 in Nottingham. No rain was measured at Nottingham, Leicester, Salford, Leeds, and Sheffield; at Bristol 0·89 in., Portsmouth 0·69 in., Liverpool 0·68 in., and Wolverhampton 0·41 in. fell.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 18°·5; the highest day temperature in the shade was 27°·2; the lowest night temperature was 12°·0; the highest temperature in the sun was 63°·8. The mean temperature of the week on an average of 50 years was 16°·8, or 1°·7 below the temperature of last week. The wind blew at the rate of 10·7 kilometers an hour, and the rain-fall was 0·38 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 215,162 cubic metres, and at Barking 207,195 cubic metres, equivalent to about as many tons by weight.

* Under the advice of the Medical Officer of the Post Office, Dr. Waller Lewis, a "sulphuric orangeade" was distributed in 1866 as a prophylactic against diarrhœa and cholera, with good effects. It was thus compounded: Dilute sulphuric acid 3 oz., concentrated compound infusion of orange peel 3 oz., simple syrup 12 oz., boiled filtered water 4 gallons. A wine glass-ful may be taken for a draught, with the addition of more or less boiled and filtered water according to taste.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTY-FIRST Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1752	1677	1794	1941	1906	1828	1988	2264	2106	2130	1938·6	2082
Males . .	921	898	928	1007	974	835	1049	1139	1078	1070	994·9	1016
Females . .	831	779	866	934	932	943	939	1125	1028	1060	943·7	1066
TOTAL Deaths	1047	1225	1209	1514	1595	1311	2661	1291	1665	1630	1514·8	1648*
Males . .	546	575	610	803	870	663	1321	653	859	824	772·4	863
Females . .	501	650	599	711	725	648	1340	638	806	806	742·4	785

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	May 14	May 21.	May 28.	June 4.	June 11.	June 18.	June 25.	July 2.	July 9.	July 16.	July 23.	July 30.	Aug. 6.
TOTAL Deaths - - -	1426	1313	1239	1232	1273	1292	1282	1359	1497	1498	1754	1700	1648*
Deaths under 5 years of age -	589	544	515	482	542	544	575	682	813	765	966	989	913
Deaths 5—20 - - -	112	119	95	125	105	112	124	114	115	128	136	114	123
Deaths 20—40 - - -	215	195	193	206	208	177	173	161	171	188	193	167	192
Deaths 40—60 - - -	230	199	206	205	201	209	188	189	187	187	214	205	189
Deaths 60—80 - - -	238	208	196	176	186	208	184	183	177	178	195	186	195
Deaths at 80 years & upwards	42	48	34	38	31	42	38	30	34	52	50	39	36
Deaths from Smallpox - -	6	19	11	12	8	7	11	12	13	11	15	11	15
“ “ Measles - - -	42	36	31	34	53	36	51	42	41	31	33	30	33
“ “ Scarlet Fever - -	76	81	90	91	103	100	95	80	104	85	130	100	114
“ “ Diphtheria - - -	3	5	3	7	4	7	4	6	8	7	7	5	4
“ “ Whooping-cough - -	43	35	28	24	33	25	27	28	24	31	20	26	24
“ “ Typhus fever - - -	7	7	8	3	4	16	7	8	9	14	10	8	10
“ “ Enteric (or Typhoid) fever - -	15	14	13	17	8	16	21	12	21	18	22	14	24
“ “ Simple Cont ^d fever - -	11	12	11	14	14	15	6	7	11	7	14	9	9
“ “ Diarrhoea - - -	14	17	13	22	34	56	86	192	258	259	385	371	385
“ “ Simple Cholera - - -	—	—	—	1	1	—	2	12	10	22	31	46	32
“ “ Phthisis - - -	200	165	179	173	181	161	145	149	141	142	148	158	170
“ “ Bronchitis - - -	136	116	98	85	75	80	61	56	59	61	65	66	52
“ “ Pneumonia - - -	59	65	57	57	61	50	43	41	43	34	43	38	28
“ “ Heart Disease - - -	70	59	52	70	43	60	57	60	63	66	52	43	46
Mean Temperature of the Air	49·3	59·8	56·6	58·1	58·0	64·6	63·8	57·7	65·0	65·7	68·5	64·8	65·3
Mean Temperature of the Water of the Thames - }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - - -	83	69	69	77	68	68	66	71	72	67	64	74	81
Rain-fall in inches - - -	0·37	0·04	0·00	0·16	0·00	0·15	0·12	0·16	0·12	0·80	0·00	0·93	0·15

* An average of 6, derived from the returns of six previous weeks, is inserted for the sub-district of Berwick-street (Westminster St. James).

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the Returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Farbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Beccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filhler, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peck, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 6th day of August 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 6th August.	DEATHS registered during the Week ending 6th August.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED Kingdom - - -	213,281	7,216,325	33·8	4801	3992	84·2	41·0	86·6	18·11	0·24	0·61
LONDON - - -	77,997	3,214,707	41·2	2082	1643	81·0	53·5	65·3	18·50	0·15	0·38
PORTSMOUTH - -	9,513	122,084	12·8	56	70	78·6	53·2	64·5	18·05	0·69	1·75
NORWICH - - -	7,472	81,087	10·9	44	44	81·0	57·0	65·6	18·67	0·03	0·08
BRISTOL - - -	4,688	171,382	36·6	115	93	75·9	51·5	63·6	17·53	0·89	2·26
WOLVERHAMPTON -	3,387	72,990	21·5	42	47	79·7	51·0	65·2	18·44	0·41	1·05
BIRMINGHAM - -	7,831	369,604	47·2	253	191	80·6	51·0	65·2	18·44	0·14	0·35
LEICESTER - - -	3,200	97,427	30·4	75	66	83·7	51·0	67·7	19·83	0·00	0·00
NOTTINGHAM - -	1,996	88,888	44·5	52	42	84·2	50·8	66·6	19·22	0·00	0·00
LIVERPOOL - - -	5,108	517,567	101·3	380	399	82·7	52·4	66·2	19·00	0·68	1·72
MANCHESTER - -	4,486	374,993	83·6	256	223	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	98	77	83·5	49·9	67·3	19·61	0·00	0·00
BRADFORD - - -	6,590	143,197	21·7	119	121	78·8	55·5	66·0	18·89	0·05	0·13
LEEDS - - -	21,572	259,527	12·0	178	207	80·0	52·0	65·5	18·05	0·00	0·00
SHEFFIELD - - -	22,830	247,378	10·8	166	168	79·2	50·0	66·1	18·94	0·00	0·00
HULL - - -	3,562	130,869	36·7	76	59	79·0	56·0	61·8	16·56	0·04	0·10
SUNDERLAND - -	3,306	100,979	30·5	73	50	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	97	71	72·0	52·0	58·7	14·83	0·01	0·03
EDINBURGH - - -	4,427	178,970	40·4	134	75	75·7	52·0	61·9	16·61	0·20	0·51
GLASGOW - - -	5,063	468,189	92·5	348	223	75·1	53·8	62·9	17·17	0·61	1·55
DUBLIN - - -	9,745	321,540	33·0	157	110	81·9	41·0	62·5	16·94	0·42	1·07
PARIS - - -	7,802	1,889,842	242	—	1126	—	—	—	—	—	—
						Week ending 30th July 1870.					
VIENNA - - -	3,728*	622,087	167	Week ending 30 July 1870.	Week ending 30 July 1870.	—	—	68·2	20·12	—	—
						Week ending 4 Aug. 1870.					
BERLIN - - -	6,253	800,000	128	Week ending 4 Aug. 1870.	Week ending 4 Aug. 1870.	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 6th day of August 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Houses.	
Total of 17 TOWNS -	30	3581	1589	475	17	50	184	9	44	88	1005	95	140	38	
LONDON - - - -	27	1648	648	231	15	33	114	4	24	43	385	40	60	21	
PORTSMOUTH - - -	30	70	34	10	-	-	1	-	-	3	24	-	1	3	
NORWICH - - - -	28	44	19	12	-	-	4	-	-	1	10	2	1	3	
BRISTOL - - - -	28	93	29	14	-	1	14	-	1	4	12	7	7	6	
WOLVERHAMPTON -	34	47	19	5	-	-	3	-	-	1	17	-	2	4	
BIRMINGHAM - - -	27	191	100	18	-	-	4	-	1	2	78	5	14	10	
LEICESTER - - - -	35	66	36	11	-	1	3	-	1	-	22	-	-	3	
NOTTINGHAM - - -	25	42	24	3	-	-	-	1	-	2	15	-	-	3	
LIVERPOOL - - - -	40	369	210	40	-	3	16	1	9	8	127	12	17	30	
MANCHESTER - - -	32	228	99	29	1	-	7	-	1	6	81	7	10	23	
SALFORD - - - -	33	77	40	11	-	-	2	1	-	1	32	-	-	7	
BRADFORD - - - -	44	121	57	6	-	5	5	1	1	7	29	4	4	7	
LEEDS - - - -	42	207	108	29	-	5	3	-	-	7	68	1	4	1	
SHEFFIELD - - - -	35	168	83	13	1	1	4	-	2	1	67	9	10	1	
HULL - - - -	24	59	22	11	-	-	4	1	-	1	13	3	3	-	
SUNDERLAND - - -	26	50	24	9	-	1	-	-	3	-	8	2	2	-	
NEWCASTLE-ON-TYNE	28	71	28	14	-	-	-	-	1	1	17	3	5	-	
DUBLIN - - - -	13	110	14	22	-	-	3	-	2	3	8	7	9	3	

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
LONDON		2,803,939	2032	1643	643	231	15	83	114	4	24	10	24	9	385	40	60	21
WEST DISTRICTS		458,125	235	296	106	45	-	4	23	1	3	-	1	-	63	12	10	39
NORTH DISTRICTS		618,210	473	374	189	57	6	10	25	-	3	4	12	4	87	6	17	42
CENTRAL DISTRICTS		383,321	214	133	52	31	1	9	10	1	1	1	1	-	23	4	10	33
EAST DISTRICTS		571,138	469	297	121	38	6	7	10	-	4	1	2	-	86	2	7	43
SOUTH DISTRICTS		773,175	639	498	230	60	2	3	36	2	13	4	8	5	121	16	16	53
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	27	24	9	3	-	-	2	-	-	-	-	-	5	2	-	3
St. John Paddington H		32768	10	7	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Kensington Town W		51910	57	40	19	5	-	1	1	1	-	-	-	-	8	-	-	3
Brompton H		18198	12	14	4	5	-	-	-	-	-	-	-	-	2	-	-	-
St. Peter Hammersmith		5415	2	10	4	-	-	-	4	-	-	-	-	-	1	-	-	-
St. Paul Hammersmith H		19104	15	25	10	5	-	-	-	1	-	-	-	-	6	-	1	-
Fulham W		15539	18	18	8	1	-	2	-	-	-	-	-	-	8	-	-	-
Chelsea South H		21654	16	11	4	3	-	-	2	-	-	-	-	-	3	1	1	-
Chelsea North-west WH		19899	23	21	10	1	-	-	7	-	-	-	-	-	8	-	-	2
Chelsea North-east		21886	6	11	5	1	-	-	-	-	-	-	-	-	6	1	-	-
Hanover Square		16773	8	12	3	1	-	-	2	-	1	-	-	-	3	-	-	-
May Fair W		12885	6	12	2	4	-	-	1	-	-	-	-	-	-	1	1	0
Belgrave H		55113	28	27	5	5	-	2	2	-	-	-	-	-	4	4	3	8
St. John Westminster H		37483	20	15	6	2	-	-	2	-	-	-	-	-	3	-	-	1
St. Margaret Westminster WH		30730	13	26	5	2	-	-	3	-	-	-	-	-	3	2	2	13
St. James's Square		10753	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Golden Square W		13966	9	7	1	2	-	-	-	-	-	1	-	-	-	-	-	1
Berwick-street		10507	5	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Anne Soho		17423	7	9	6	-	-	-	2	-	-	-	-	-	5	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	24	24	5	9	-	3	2	-	-	-	-	-	5	-	1	3
Cavendish Square		15490	4	5	1	1	-	-	-	-	-	-	-	-	1	-	-	-
Rectory Marylebone W		26692	17	19	5	5	-	-	1	-	1	-	1	-	2	-	-	4
St. Mary Marylebone H		22493	27	5	4	-	-	-	-	-	-	-	-	-	2	-	-	-
Christchurch Marylebone		34913	19	16	7	3	-	-	-	-	-	-	-	-	4	-	-	-
St. John Marylebone		32540	15	16	5	3	-	-	1	-	-	-	-	-	2	2	4	-
Hampstead WH		19106	15	21	5	3	-	-	2	-	-	-	1	2	6	1	1	-
Regent's Park Paneras		34927	18	19	11	2	-	1	2	-	-	-	1	-	5	2	3	-
Tottenham-court WH		29371	15	14	5	4	-	-	1	-	-	-	-	-	3	1	1	7
Gray's Inn Lane H		27898	13	10	-	3	-	-	1	-	-	-	-	-	1	-	-	2
Somers Town		36099	26	12	5	-	-	2	3	-	1	1	-	-	2	-	-	-
Camden Town W		23264	14	14	3	3	-	-	-	-	-	-	-	-	-	3	11	-
Kentish Town		44317	48	33	13	3	-	-	8	-	-	-	-	-	6	-	-	-
Islington West* WHH		75442	71	62	17	3	6	3	3	-	3	5	2	10	-	3	13	-
Islington East WH		79899	83	38	24	4	-	1	-	-	-	-	2	17	-	-	-	-
Stoke Newington		6678	5	4	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Stamford Hill		5483	6	6	1	2	-	-	-	-	-	-	-	-	2	-	1	-
West Hackney		24265	17	20	11	3	-	-	-	-	-	-	-	-	8	-	-	-
Hackney WH		31481	20	25	13	4	-	-	1	-	-	-	2	-	7	-	-	2
South Hackney L		15453	18	11	3	2	-	-	-	-	-	-	-	-	4	-	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	16	14	3	2	-	1	-	-	-	-	-	-	2	-	1	-
St. Giles South WH		19483	7	14	4	3	-	-	1	-	-	1	-	-	3	-	-	5
St. Giles North		17201	8	8	3	1	-	-	-	-	-	-	-	-	2	-	1	-
Long Acre		11618	7	7	2	2	-	-	2	-	-	-	-	-	1	-	-	-
Charing Cross WH		11071	3	8	1	-	-	-	-	-	-	-	-	-	-	1	1	3
St. Mary-le-Strand		10346	8	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Dances H		15207	9	6	-	2	-	1	1	-	-	-	-	-	-	-	1	2
St. George-the-Martyr H		19903	7	12	5	1	-	1	1	1	-	-	-	-	1	-	2	-
St. Andrew East Holborn W		12947	6	14	2	3	-	-	-	-	-	-	-	-	1	-	-	6
Saffron Hill		12012	4	4	3	-	-	-	-	-	-	-	-	-	2	-	-	-
St. James Clerkenwell W		19452	16	13	3	3	-	1	2	-	-	-	-	-	-	-	-	3
Amwell Clerkenwell		17250	14	12	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentonville		13079	10	7	2	1	1	-	1	-	-	-	-	-	-	-	-	-
Goswell-street		16200	12	4	2	1	-	-	-	-	-	-	-	-	2	-	-	-
Old-street		11504	13	3	1	-	-	-	-	-	-	-	-	-	-	-	-	1
City-road HL		17850	14	11	6	1	-	1	1	-	-	-	-	-	3	-	-	1
Whitecross-street		14778	11	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury		12391	5	5	1	1	-	1	-	-	-	-	-	-	1	-	-	-
St. Botolph East London		20690	13	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Cripplegate		19037	7	8	3	1	-	-	-	-	1	-	-	-	-	-	-	-
St. Sepulchre WH		11750	2	17	4	2	-	-	-	-	-	-	-	-	4	2	3	12
St. Bride W		15395	8	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Castle Baynard		7762	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9923	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Albion Barking		8659	3	5	2	-	-	-	-	-	-	-	-	-	-	1	1	-
Broad Street		11544	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

wh—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

‡ See note *, page 251.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 Monday, 6th August 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													Inquest Cases.	In Public Institutions.
					Under 1 Year of Age.	60 Years of Age and upwards.	Small pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.			
EAST DISTRICTS.																			
Well Shoreditch		17313	9	5	1	-	-	-	-	-	-	-	-	-	-	1	-	-	
Leonard Shoreditch Lt		19188	19	7	2	-	-	-	-	-	-	-	-	-	-	2	-	-	
ton New Town W		26516	20	16	6	-	-	-	-	-	-	-	-	-	-	4	-	-	
ton Old Town -		23777	18	13	7	-	-	-	-	-	-	-	-	-	-	4	-	-	
gerstone West W		23260	16	20	11	3	-	1	1	-	-	-	-	-	-	4	-	-	
gerstone East		17310	20	3	3	-	-	-	-	-	-	-	-	-	-	8	-	5	
ney-road		26208	24	8	3	-	-	-	-	-	-	-	-	-	-	1	-	-	
n, Bethnal Green WHL†		31789	23	32	9	11	-	-	1	1	-	-	-	-	-	2	-	1	
rch, Bethnal Green		25228	16	8	3	-	-	-	-	-	-	-	-	-	-	3	-	9	
n, Bethnal Green		21436	13	15	7	2	4	-	-	-	-	-	-	-	-	5	-	-	
lerv Whitechapel		6557	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fields		15700	10	4	3	-	-	-	-	-	-	-	-	-	-	1	-	-	
End New Town W		13392	9	10	1	5	1	-	-	-	-	-	-	-	-	-	-	-	
chapel North		12122	8	3	1	-	-	-	-	-	-	-	-	-	-	5	-	4	
chapel Church H		8962	10	11	1	1	-	-	-	-	-	1	-	-	-	2	-	-	
lman's Fields		11166	11	4	3	-	-	-	-	-	-	-	-	-	-	2	-	9	
ate -		9971	5	5	1	-	-	-	-	1	-	-	-	-	-	3	-	-	
ary St. George East		18181	14	14	7	1	-	-	-	-	-	-	-	-	-	-	-	-	
aul St. George East		21015	15	4	1	-	-	-	-	-	-	-	-	-	-	5	-	1	
ohn St. George East W		9895	5	5	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
well W -		12537	8	3	2	1	-	-	-	-	-	-	-	-	-	1	-	4	
liff WH		16874	6	4	3	-	-	-	-	-	-	1	-	-	-	1	-	1	
house W		27131	14	8	2	1	-	-	-	-	-	-	-	-	-	2	-	-	
End Old Town West		33747	23	15	6	3	-	-	-	-	-	-	-	-	-	-	-	-	
End Old Town East W		38317	44	20	7	5	1	1	-	-	-	1	-	-	-	6	-	-	
W L†		35067	62	38	19	1	-	-	1	1	-	-	-	-	-	4	-	1	
ar W		43329	42	21	11	3	-	-	1	-	-	1	-	-	-	9	-	7	
SOUTH DISTRICTS.																			
church Southwark W		17030	9	10	4	2	-	-	-	-	-	2	-	-	-	3	-	3	
aviour Southwark H		19101	12	18	10	3	-	-	-	-	-	1	-	-	-	6	-	-	
-road		19552	22	9	5	-	-	-	-	2	-	-	-	-	-	1	-	-	
ch-road W		16968	6	10	3	4	-	-	-	-	-	-	-	-	-	1	-	-	
on-road L		19199	9	12	7	1	-	-	-	1	-	-	-	-	-	2	-	3	
ty Newington		22675	19	5	3	-	-	-	1	-	-	-	-	-	-	-	-	-	
eter Walworth W		44463	31	20	13	3	-	-	-	-	-	-	-	-	-	9	-	-	
ary Newington H		15082	14	3	1	1	-	-	-	-	-	1	-	-	-	-	-	-	
ave Southwark H		7663	2	12	1	3	-	-	-	-	-	-	-	-	-	-	-	-	
ohn Horsleydown W		11983	4	5	2	1	-	-	-	-	-	1	-	-	-	2	1	10	
er Market		10886	16	4	3	1	-	-	-	-	-	-	-	-	-	1	1	-	
ary Magdalen W		16345	8	7	3	1	-	-	-	-	-	-	-	-	-	1	1	-	
ames Bermondsey		25154	39	22	11	2	-	-	-	-	-	-	-	-	-	2	-	-	
riithe W		24502	15	11	2	-	-	-	3	-	-	-	-	-	-	4	2	1	
loo-road 1st		12980	12	13	5	1	-	-	-	-	-	-	-	-	-	3	-	-	
loo-road 2nd H		16340	18	17	4	1	-	-	-	5	-	-	-	-	-	2	6	-	
eth Church 1st		18639	13	14	4	-	-	-	-	1	-	-	-	-	-	-	6	-	
eth Church 2nd W		26542	24	23	8	4	-	-	-	-	-	1	1	2	-	-	-	-	
ington 1st		30485	19	16	9	-	-	-	-	-	-	1	1	5	2	-	8	-	
ington 2nd		20490	17	14	7	1	1	1	-	-	-	-	-	4	-	2	-	-	
on -		20067	19	18	11	3	-	-	-	-	-	-	-	3	-	-	-	-	
ood W		7462	4	4	3	-	-	-	-	-	-	-	-	5	-	-	-	-	
am		20894	15	5	3	-	-	-	-	-	-	-	-	-	-	2	-	-	
rsca W		19890	39	26	11	6	-	-	-	-	-	-	-	-	-	-	-	-	
sworth L		13846	11	10	5	2	-	-	-	3	-	-	-	-	-	3	-	-	
y -		6481	6	6	4	2	-	-	-	-	-	-	1	-	-	4	-	7	
ham -		10082	7	6	3	2	-	-	-	1	-	-	-	-	-	1	-	2	
ch		1723	3	2	1	-	-	-	-	-	-	-	-	-	-	3	-	-	
erwell W L L†		21297	15	18	4	2	-	-	-	-	-	-	-	-	-	1	-	-	
am W		24335	20	22	11	3	1	-	-	-	1	-	-	-	-	5	-	12	
orge Camberwell		23833	24	18	7	4	-	-	-	1	-	1	-	1	-	8	-	-	
ul Deptford		37834	44	20	15	-	-	-	-	-	-	-	-	-	-	-	-	-	
eholas Deptford		8139	2	3	1	-	-	-	-	1	-	1	-	-	-	2	-	-	
wich West H		21696	20	15	7	1	-	-	-	-	-	-	-	-	-	8	-	-	
wich East WH		18396	11	23	7	3	-	-	-	4	-	1	-	-	-	4	-	-	
n -		3099	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ham Village W		11903	16	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
ham		7872	9	6	3	1	-	-	-	-	-	-	-	-	-	2	-	-	
on H -		10395	9	5	4	-	-	-	-	-	-	-	-	-	-	1	-	-	
on H -		9276	7	6	2	-	-	-	-	-	-	1	-	-	-	-	-	-	
rich Dockyard H		22919	11	10	7	-	-	-	1	-	-	-	-	-	-	1	-	-	
rich Arsenal H		18776	16	17	9	-	-	-	-	-	-	1	-	1	-	3	-	-	
thead, West		24502	7	7	4	1	-	-	-	-	-	-	-	-	-	3	-	-	
thead, East			11	5	3	-	-	-	-	-	-	-	-	-	-	2	-	-	

Following are OUTLYING WORKHOUSES (indicated in the Tables by w):

Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district. Holborn Workhouse is in Hoxton New Town sub-district.
 Strand " " Tottenham-court sub-district. London City " " Mile End Old Town Eastern sub-dist. and
 Aldon City " " Islington East. Bow sub-district.
 O. do. " " Hackney sub-district. Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

[Under the Superintendence of the Astronomer Royal.]

DATE.	ELECTRICITY.	SKY AND ATMOSPHERE.	NOTES.
JULY.			
SUNDAY 31		Generally cloudy till evening, cloudless after 10h. P.M. Lightning was seen this distant thunder was heard between 11h. A.M. and 2h. P.M. The rain fell in the moon and 11h. P.M.; and lightning was occasionally seen after 10h. P.M.	The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years observations ending 1845, December 31.—See <i>Phil. Trans.</i> , part I, 1848. The mean daily wet point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1885, December 31.
AUGUST.			* In reading the 17th column it will be borne in mind that + is read " <i>higher</i> ," and — " <i>lower</i> ,"
MONDAY 1		Generally overcast. Occasional showers of rain. Distant thunder heard frequently between noon and 2h. P.M.: one flash of lightning seen low down in N.E. at 11. 13m. P.M.	applying to the civil day, or from midnight to midnight.
TUESDAY 2	The electrical apparatus was under repair throughout the week.	Generally overcast. Thin rain fell during the morning, and again at night.	The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.
WEDNESDAY 3		Generally overcast. Slight fog.	
THURSDAY 4		Fine; generally cloudy.	
FRIDAY 5		A fine day; light clouds prevailed.	
SAURDAY 6		A fine day; light clouds prevailed till evening; cloudless at night.	The reading of the barometer decreased from 29.73 in. at the beginning of the week to 29.59 in. by 9h. A.M. on the 31st of July; remained at this reading till after 9h. P.M. on the same day; increased to 29.75 in. by 9h. A.M. on the 2d of August; and decreased to 29.57 in. by 9h. P.M. on the 4th; increased to 29.73 in. by 9h. A.M. on the 5th; and was 29.78 in. at the end

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.75 in. at the beginning of the week to 29.50 in. by 9h. a.m. on the 31st of July; remained at this reading till after 9h. p.m. on the 29th of August; increased to 29.75 in. by 9h. a.m. on the 2d of August; decreased to 29.57 in. by 9h. p.m. on the 4th; increased to 29.79 in. by 9h. a.m. on the 6th; and was 29.78 in. at the end of the week.

NOTES.

SKY AND ATMOSPHERE.

ELECTRICITY.

Generally overcast. Occasional showers of rain. Distant thunder heard frequently between noon and 2h. P.M.: one flash of lightning seen low down in N.E. at 1h. 13m. P.M.

Generally overcast. Thin rain fell during the morning, and again at night.

Generally overcast. Slight fog.

Fine; generally cloudy.

A fine day; light clouds prevailed.

A fine day; light clouds prevailed till evening; cloudless at night.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 32. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, AUGUST 13. [Price 1d.

*General Register Office, Somerset House,
15th August 1870.*

DURING the week ending Saturday the 13th instant, 4887 *births* and 3965 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 29 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the four preceding weeks was 27 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow :—Liverpool 42 per 1000, Bradford 44, Manchester 31, Salford 26, London 24, Birmingham 30, Newcastle-upon-Tyne 24, Leeds 41, Portsmouth 25, Sheffield 37, Hull 36, Wolverhampton 28, Bristol 32, Nottingham 33, Sunderland 16, Leicester 42, Norwich 32. Diarrhœa caused an increased number of deaths in Norwich, Bristol, Birmingham, Nottingham, Liverpool, Bradford, Leeds, Sheffield, and Hull.

In Edinburgh the annual rate of mortality last week was 20 per 1000 persons living, in Glasgow 33 per 1000, and in Dublin 19. In Paris the deaths registered during the week ending last Saturday were at the annual rate of 31 per 1000 persons living: the reported deaths from small-pox were 176, as compared with 151 in the previous week. In Vienna the annual rate of mortality during the week ending the 6th instant was 26 per 1000.

In LONDON the *births* of 991 boys and 1075 girls, in all 2066 children, were registered last week. The *deaths* registered in the same time were 1494. During the corresponding weeks of ten previous years the registered births averaged 1926, and the deaths 1427 per week; after making due allowance for increase of population, the average for the past week is estimated at 2119 births and 1570 deaths; the registered births, therefore, were 53, and the deaths 76, below the estimated average.

The mortality in the Western group of Districts during the last five weeks has been at the annual rate of 26, in the Northern group of 26, in the Central group of 25, in the Eastern group of 26, and in the Southern group of 27, per 1000 persons living. The mean of the annual rates in the five weeks ending 9th July was 24 per 1000 in the Western group, 21 in the Northern, 24 in the Central, 22 in the Eastern, and 20 in the Southern group.

The deaths last week under 5 years of age were 830, at the ages 5 to 20 years they were 124, at 20 to 40 years 151, at 40 to 60 years 177, at 60 to 80 years 175, and 37 at 80 years and upwards. Of infants in their first year 577 died, and 212 persons aged 60 years and upwards.

Zymotic diseases caused 608 deaths, including 11 from small-pox, 22 from measles, 118 from scarlet fever, 9 from diphtheria, 5 from croup, 25 from whooping-cough, 12 from typhus, 23 from enteric (or typhoid) fever, 8 from simple continued fever, 1 from relapsing fever, 10 from erysipelas, and 289 from diarrhœa.

From "simple cholera" and choleraic diarrhœa, 25 deaths were registered.

The total mortality from diarrhœa shows a marked decline on the previous week's return; in the Southern and Eastern groups of Districts the death-rate from this cause is higher than in the other parts of the Metropolis.

Scarlet fever caused 5 out of 15 deaths in the St. John sub-district of Marylebone, 4 out of 13 deaths in Hampstead, and 8 out of 15 deaths in the Greenwich West sub-district. During the last six weeks the fatality of scarlet fever has been at the rate of 2·5 deaths annually per 1000 of the population in the Western Districts, 2·0 in the Northern, 1·8 in the Central, '8 in the Eastern, and 1·8 in the Southern Districts.

Thirty-one deaths resulted from violence: of these 28 were accidental, including 11 by fractures, 1 by burns or scalds, 2 by drowning, and 6 by suffocation. Three suicides were registered.

No fatal accident caused by horses or vehicles in the streets was returned last week.

The death of a female, aged 37 years, was registered from sunstroke; and an ostler, aged 82 years, died on 6th August at St. Pancras Workhouse, from "exhaustion from old age, accelerated by want of proper food." (*Inquest.*)

In the Public Institutions of the Metropolis 205 deaths were registered; of these 103 occurred in Workhouses, 2 in Military and Naval Asylums, 72 in General Hospitals, 19 in Hospitals for special diseases, 1 (a child) in Lying-in Hospitals, 2 in Military and Naval Hospitals, 1 in Hospitals and Asylums for Foreigners, and 5 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·915 in.; the highest was 30·10 in. on Saturday morning, and the lowest was 29·68 in. on the evening of the 7th instant. The mean temperature of the *air* was 64°·5, or 2°·5 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 79°·1 on Friday; the lowest night temperature was 56°·3 on Thursday; the entire range of temperature in the week was, therefore, 22°·8. The highest temperature in the sun was 146°·4 on Saturday. The mean temperature was 1°·4 below the average on Sunday, but on the other six days of the week there was an excess ranging from 1°·6 to 4°·9. The difference between the mean *dew-point* temperature and *air* temperature was 8°·2. The mean degree of *humidity* of the air was 75, complete saturation being represented by 100. *Rain* fell on the four first days in the week to the amount of 0·62 in. The general direction of the *wind* was N.N.E., and the horizontal movement of the air amounted to 10·5 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 60°·3 in Newcastle-on-Tyne, to 65°·2 in Nottingham and Leeds; the lowest recorded night temperature was 48°·0 in Hull, and the highest day temperature in the shade was 85°·5 in Salford. Small quantities of rain fell in most of the towns; 0·32 in. was measured at Portsmouth, 0·29 in. at Leicester, 0·17 in. at Bristol, and 0·13 in. at Nottingham.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 18°·1; the highest day temperature in the shade was 26°·2; the lowest night temperature was 13°·5; the highest temperature in the sun was 63°·6. The mean temperature of the week on an average of 50 years was 16°·7, or 1°·4 below the temperature of last week. The wind blew at the rate of 16·8 kilometers an hour, and the rain-fall was 1·57 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 191,079 cubic metres, and at Barking 171,767 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTY-SECOND Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1656	1759	1757	1772	1962	2042	1971	2087	2025	2227	1925·8	2066
Males . .	857	881	888	919	1014	1065	1021	1053	1065	1168	992·6	991
Females . .	799	878	874	853	948	977	950	1034	960	1059	933·2	1075
TOTAL Deaths	999	1172	1181	1402	1433	1374	2299	1274	1545	1591	1427·0	1494
Males . .	526	601	634	728	733	702	1131	667	795	822	733·9	755
Females . .	473	571	547	674	700	672	1168	607	750	769	693·1	739

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	May 21.	May 28.	June 4.	June 11.	June 18.	June 25.	July 2.	July 9.	July 16.	July 23.	July 30.	Aug. 6.	Aug. 13.
TOTAL Deaths - - -	1313	1239	1232	1273	1292	1282	1359	1497	1498	1754	1700	1648	1494
Deaths under 5 years of age -	544	515	432	542	544	575	682	813	765	966	989	913	830
Deaths 5—20 - - -	119	95	125	105	112	124	114	115	128	136	114	123	124
Deaths 20—40 - - -	195	193	206	208	177	173	161	171	188	193	167	192	151
Deaths 40—60 - - -	199	206	205	201	209	188	189	187	187	214	205	189	177
Deaths 60—80 - - -	208	196	176	186	208	184	183	177	178	195	186	195	175
Deaths at 80 years & upwards	48	34	38	31	42	38	30	34	52	50	39	36	37
Deaths from Small-pox -	19	11	12	8	7	11	12	13	11	15	11	15	11
" " Measles - -	36	31	34	53	36	51	42	41	31	33	30	33	22
" " Scarlet Fever -	81	90	91	103	100	95	80	104	85	130	100	114	118
" " Diphtheria -	5	3	7	4	7	4	6	3	7	7	5	4	9
" " Whooping-cough -	35	28	24	33	25	27	28	24	31	20	26	24	25
" " Typhus fever -	7	8	3	4	16	7	8	9	14	10	8	10	12
" " Enteric (or Ty- phoid) fever -	14	13	17	8	16	21	12	21	18	22	14	24	23
" " Simple Contag. fever -	12	11	14	14	15	6	7	11	7	14	9	9	9
" " Diarrhœa - -	17	13	22	34	56	86	192	258	259	385	371	385	289
" " Simple Cholera -	—	—	1	1	—	2	12	10	22	31	46	32	25
" " Phthisis - -	165	179	173	181	161	145	149	141	142	148	153	170	153
" " Bronchitis - -	116	98	85	75	80	61	56	59	61	65	66	52	45
" " Pneumonia - -	65	57	57	61	50	48	41	43	34	43	38	28	38
" " Heart Disease -	59	52	70	43	60	57	60	63	66	52	48	46	52
Mean Temperature of the Air	59·8	56·6	58·1	58·0	64·6	63·8	57·7	65·0	65·7	68·5	64·8	65·3	64·5
Mean Temperature of the Water of the Thames - }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	69	69	77	68	68	66	71	72	67	64	74	81	75
Rain-fall in inches - -	0·04	0·00	0·16	0·00	0·15	0·12	0·16	0·12	0·80	0·00	0·93	0·15	0·62

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filitier, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 13th day of August 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 13th Aug.	DEATHS registered during the Week ending 13th Aug.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTIGRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centimetres.
Total of 20 TOWNS in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	4887	3965	86·9	39·0	63·9	17·72	0·11	0·28
LONDON - - -	77,997	3,214,707	41·2	2066	1494	79·1	56·3	64·5	18·05	0·62	1·57
PORTSMOUTH - - -	9,513	122,084	12·8	62	53	82·8	52·6	65·0	18·33	0·32	0·81
NORWICH - - -	7,472	81,087	10·9	42	49	77·5	55·0	63·7	17·61	0·00	0·00
BRISTOL - - -	4,688	171,382	36·6	117	106	81·8	50·0	63·7	17·61	0·17	0·43
WOLVERHAMPTON - - -	3,387	72,990	21·5	46	39	83·9	49·6	64·5	18·05	0·05	0·13
BIRMINGHAM - - -	7,831	369,604	47·2	240	215	82·6	51·6	64·6	18·11	0·12	0·30
LEICESTER - - -	3,200	97,427	30·4	95	79	82·7	49·0	64·8	18·22	0·29	0·74
NOTTINGHAM - - -	1,996	88,888	44·5	59	56	83·7	50·6	65·2	18·44	0·13	0·33
LIVERPOOL - - -	5,108	517,567	101·3	311	420	79·3	49·0	63·3	17·39	0·00	0·00
MANCHESTER - - -	4,486	374,993	83·6	238	222	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	89	60	85·5	48·1	64·7	18·17	0·10	0·25
BRADFORD - - -	6,590	143,197	21·7	149	121	80·2	53·3	65·0	18·33	0·01	0·03
LEEDS - - -	21,572	259,527	12·0	284	204	82·0	51·0	65·2	18·44	0·00	0·00
SHEFFIELD - - -	22,830	247,378	10·8	184	176	82·0	49·7	62·9	17·17	0·02	0·05
HULL - - -	3,562	130,869	36·7	90	91	76·0	48·0	61·2	16·22	0·04	0·10
SUNDERLAND - - -	3,306	100,979	30·5	68	31	—	—	—	—	—	—
NEWCASTLE-ON-TYNE - - -	5,336	133,367	25·0	114	62	72·0	53·0	60·3	15·72	0·00	0·00
EDINBURGH - - -	4,427	178,970	40·4	119	70	78·7	50·0	62·9	17·17	0·00	0·00
GLASGOW - - -	5,063	468,189	92·5	347	293	79·2	50·5	64·3	17·94	0·00	0·00
DUBLIN - - -	9,745	321,540	33·0	167	119	86·9	39·0	65·0	18·33	0·12	0·30
PARIS - - -	7,802	1,889,842	242	—	1122	—	—	—	—	—	—
				Week ending 6 Aug. 1870.	Week ending 6 Aug. 1870.	Week ending 6th Aug. 1870.					
VIENNA - - -	3,728*	622,087	167	—	313	—	—	73·9	23·25	—	—
				Week ending 11 Aug. 1870.	Week ending 11 Aug. 1870.	Week ending 11th Aug. 1870.					
BERLIN - - -	6,253	800,000	123	—	—	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 13th day of August 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	To Public
Total of 17 TOWNS -	29	3483	1484	393	12	43	224	22	52	101	919	67	122	3
LONDON - - -	24	1494	577	212	11	22	118	9	25	44	289	31	60	20
PORTSMOUTH - - -	25	58	21	11	—	—	3	—	—	1	10	—	1	—
NORWICH - - -	32	49	28	11	—	1	3	4	—	2	16	—	1	—
BRISTOL - - -	32	106	37	12	—	—	22	2	1	3	17	4	4	—
WOLVERHAMPTON - - -	23	39	15	6	—	—	1	—	—	4	13	—	—	—
BIRMINGHAM - - -	30	215	105	18	—	1	7	3	6	10	82	6	13	—
LEICESTER - - -	42	79	39	10	—	—	6	—	1	—	21	—	—	—
NOTTINGHAM - - -	33	56	25	9	—	1	4	—	—	3	18	2	3	—
LIVERPOOL - - -	42	420	188	—	—	9	27	—	9	10	132	—	—	—
MANCHESTER - - -	31	222	93	16	1	—	2	2	—	7	77	5	10	—
SALFORD - - -	26	60	26	11	—	—	2	—	—	2	20	—	3	—
BRADFORD - - -	44	121	60	14	—	2	3	—	1	5	33	4	4	—
LEEDS - - -	41	204	109	19	—	6	4	—	3	4	79	2	4	—
SHEFFIELD - - -	37	176	83	20	—	1	12	—	3	4	75	6	9	—
HULL - - -	36	91	42	9	—	—	8	—	2	2	24	3	4	—
SUNDERLAND - - -	16	31	11	6	—	—	—	—	1	—	5	—	—	—
NEWCASTLE-ON-TYNE - - -	24	62	26	9	—	—	2	1	1	—	8	4	6	—
DUBLIN - - -	19	119	25	21	—	—	9	—	5	5	14	3	3	—

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total BIRTHS during the Week.	Total DEATHS during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.*	
LONDON		2,803,969	2066	1494	577	212	11	22	118	9	25	12	23	9	239	31	60	205	
WEST DISTRICTS		458,125	308	257	91	35	-	4	26	-	3	1	5	1	44	4	11	42	
NORTH DISTRICTS		618,210	428	358	127	61	3	9	36	5	5	8	11	1	61	2	15	55	
CENTRAL DISTRICTS		383,321	181	121	38	14	-	3	13	1	2	1	1	2	17	8	2	13	
EAST DISTRICTS		571,158	466	291	127	43	5	2	8	1	3	1	2	-	62	8	14	47	
SOUTH DISTRICTS		773,175	683	467	194	59	8	4	35	2	12	1	4	5	105	14	18	48	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	42	21	13	2	-	-	1	-	-	-	-	-	4	1	2	1	
St. John Paddington H		38769	17	13	2	-	-	-	-	1	1	-	-	-	1	-	-	6	
Kensington Town W		51910	54	35	11	6	-	-	6	-	1	-	-	-	1	7	-	5	
Brompton H		18198	6	13	3	2	-	-	1	-	-	-	-	-	2	-	1	2	
St. Peter Hammersmith		5415	10	10	2	3	-	1	1	-	-	-	-	-	1	-	-	-	
St. Paul Hammersmith H		19104	21	18	9	2	-	1	1	-	1	-	1	-	3	-	-	-	
Fulham W		15539	14	12	6	1	-	-	-	-	-	-	-	-	4	-	-	-	
Chelsea South H		21654	19	15	4	2	-	1	3	-	-	-	-	-	4	-	-	2	
Chelsea North-west HW		19899	20	17	6	3	-	1	2	-	-	-	-	-	1	-	1	5	
Chelsea North-east		21886	21	10	4	1	-	-	2	-	-	-	-	-	1	-	-	-	
Hanover Square		19773	5	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W		12885	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	30	30	10	4	-	-	4	-	-	-	1	-	6	2	3	9	
St. John Westminster H		37483	21	16	5	2	-	-	1	-	-	-	2	-	3	-	1	-	
St. Margaret Westminster WH		30730	9	16	6	1	-	-	1	-	-	-	1	-	3	-	1	7	
St. James's Square		10753	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	2	12	4	3	-	-	1	-	-	-	-	-	2	1	2	4	
Berwick-street		10607	3	8	5	-	-	-	1	-	-	-	-	-	2	-	-	-	
St. Anne Soho		17426	6	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	19	17	2	5	-	-	1	1	-	1	1	-	1	-	-	5	
Cavendish Square		15090	4	3	1	2	-	-	-	-	-	-	-	-	-	1	2	-	
Rectory Marylebone W		26692	17	17	6	3	-	-	1	-	1	-	-	-	2	-	1	5	
St. Mary Marylebone H		22493	13	7	2	-	-	-	-	-	-	1	-	-	-	-	-	-	
Christchurch Marylebone		34913	20	17	10	2	-	2	-	-	1	-	1	-	6	-	1	-	
St. John Marylebone		32540	14	15	6	-	-	-	5	-	-	-	-	-	1	-	-	-	
Hampstead WH		19106	17	13	2	-	-	-	4	1	-	-	-	-	-	1	2	-	
Regent's Park Pancras		34927	24	15	7	2	-	-	2	-	-	-	-	-	4	-	-	-	
Tottenham-court WH		29571	14	17	8	1	-	-	1	1	-	-	-	-	3	-	1	6	
Gray's Inn Lane H		27803	11	16	1	4	-	1	-	1	-	-	1	-	1	-	2	4	
Somers Town		39099	25	20	7	2	-	-	3	1	-	-	-	-	4	-	-	-	
Camden Town W		23266	17	8	2	3	-	-	-	-	-	-	1	-	1	-	2	4	
Kentish Town		44317	45	25	12	4	-	1	3	-	-	-	-	-	1	3	1	-	
Islington West* WHH		75442	68	69	19	11	2	-	14	-	2	5	6	-	10	-	1	28	
Islington East W		79899	62	50	24	10	1	4	1	-	1	-	-	-	16	-	-	6	
Stoke Newington		6608	4	6	-	4	-	-	-	-	-	-	-	-	-	-	-	1	
Stamford Hill		5483	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	21	9	3	1	-	-	-	-	-	1	-	-	2	-	-	-	
Hackney WH		31481	29	22	9	5	-	1	-	-	-	-	-	-	-	-	2	-	
South Hackney L		15458	10	10	4	2	-	-	1	-	-	-	-	-	3	-	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	9	5	5	-	-	-	-	-	-	-	-	-	2	-	-	-	
St. Giles South WH		19483	8	8	2	-	-	-	2	1	-	-	-	-	1	-	-	-	
St. Giles North		17201	8	2	2	-	-	-	-	-	-	-	-	-	2	-	-	-	
Long Acre		11618	7	7	-	1	-	-	-	-	-	1	1	-	-	-	-	-	
Charing Cross WH		11071	1	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand		10346	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		15207	7	10	2	2	-	-	1	-	-	-	-	-	-	-	-	-	
St. George-the-Martyr H		19903	8	9	2	1	-	-	1	-	-	-	-	-	1	-	-	-	
St. Andrew East Holborn W		12947	10	9	4	3	-	-	-	-	-	-	-	-	1	-	-	-	
Saffron Hill		12012	-	4	2	-	-	-	-	-	-	-	-	-	-	2	-	-	
St. James Clerkenwell W		19152	13	11	4	2	-	-	-	-	-	-	1	1	1	1	1	-	
Amwell Clerkenwell		17250	13	8	4	1	-	1	1	-	-	-	-	-	1	1	1	-	
Fentonville		13079	9	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street		16200	15	3	2	-	-	-	-	-	-	-	-	-	2	-	-	-	
Old-street		11504	9	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
City-road HL		17860	11	8	3	-	-	-	2	-	-	-	-	-	1	-	-	-	
Whitecross-street		14778	8	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Finsbury		12931	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
St. Botolph East London		20990	8	5	1	1	-	-	-	-	-	-	-	-	2	2	-	-	
Cripplegate		19697	10	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH		11750	6	4	-	1	-	-	1	-	-	-	-	-	-	-	-	-	
St. Bride W		15395	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard		7532	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9090	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking		8659	2	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
Broad Street		11544	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 13th August 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	The DEATHS registered in the Week include															
			Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																		
Polywell Shoreditch	-	17313	11	7	3	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Leonard Shoreditch	L†	19188	11	7	6	-	-	1	-	-	-	-	-	-	-	2	-	-
Hoxton New Town	-	26516	25	12	4	2	-	1	1	-	-	-	-	-	-	3	-	2
Hoxton Old Town	-	23777	29	11	5	2	-	-	-	1	-	-	-	-	-	3	-	-
Aggerstone West	W	23250	14	6	2	2	-	-	-	-	1	-	-	-	-	3	-	-
Aggerstone East	-	17310	23	8	3	1	-	-	-	-	-	-	-	-	-	3	-	2
Hackney-road	-	26298	22	9	6	1	-	1	-	-	-	-	-	-	-	4	-	-
Green, Bethnal Green	WHL†	31789	35	12	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green	-	25528	26	6	2	-	-	-	-	1	-	-	-	-	-	-	-	-
Green, Bethnal Green	-	21486	13	8	4	3	-	-	-	-	-	-	-	-	-	3	-	-
Artillery Whitechapel	-	6557	4	2	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Artillery Whitechapel	-	15700	3	4	2	-	-	1	-	-	-	-	-	-	-	-	-	-
Mile End New Town	W	15392	11	11	4	2	-	-	-	1	-	-	-	-	-	-	-	5
Whitechapel North	-	12122	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church	H	8052	6	16	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Goodman's Fields	-	11166	6	4	1	-	-	-	-	1	-	-	-	-	-	-	4	5
Edgate	-	9971	-	4	1	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Mary St. George East	-	18181	14	6	5	-	-	-	-	-	-	-	-	-	-	4	-	-
St. Paul St. George East	-	21015	9	14	9	-	-	1	-	-	-	-	-	1	-	5	1	1
St. John St. George East	W	9895	9	10	2	7	-	-	-	-	-	-	-	-	-	-	-	8
Madwell	W	12537	6	6	1	1	-	-	-	1	-	-	-	-	-	1	-	2
Artelliff	W	16874	11	9	6	1	-	-	-	-	-	1	-	-	-	1	-	3
Artelliff	WH	27161	23	13	8	1	1	-	-	-	-	-	-	-	-	5	-	1
Mile End Old Town West	-	33747	27	12	3	-	-	-	-	-	-	1	1	-	-	-	-	-
Mile End Old Town East	Wto	89317	50	29	12	4	-	-	-	1	-	-	-	-	-	4	1	3
Low	WtoL†	35667	41	46	22	8	-	-	-	-	-	-	-	-	-	11	1	4
Low	W	43529	33	20	5	5	-	-	-	1	-	-	-	-	-	3	1	3
SOUTH DISTRICTS.																		
Christchurch Southwark	W	17069	4	3	-	1	-	-	-	1	-	-	-	-	-	-	-	-
St. Saviour Southwark	H	10101	7	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Kent-road	-	19652	17	14	7	1	-	-	-	-	-	-	-	-	-	4	-	-
Borough-road	W	16668	9	12	4	3	-	-	-	-	-	-	-	-	1	3	1	2
London-road	L	19190	12	10	4	1	-	-	-	1	-	-	-	-	-	-	-	3
St. Philip Newington	-	22675	19	7	3	1	-	-	-	-	-	1	-	-	-	1	-	-
St. Peter Walworth	W	44663	47	21	6	2	-	-	-	-	-	-	-	-	-	4	-	-
St. Mary Newington	H	15082	14	15	5	1	-	-	-	1	1	3	-	-	-	3	2	2
St. Olive Southwark	H	7663	1	13	1	1	-	-	-	1	-	-	-	-	-	-	3	2
St. John Horsleydown	W	11393	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	11
St. Catherine Market	-	16696	12	7	2	-	-	-	-	-	-	-	-	-	-	3	-	-
St. Mary Magdalen	W	16305	17	10	4	3	-	-	-	-	-	-	-	-	-	-	-	-
St. James Bermondsey	-	25154	34	18	10	-	-	-	-	-	-	2	-	-	-	-	-	3
St. Peter's	W	24592	17	16	7	2	-	-	-	2	-	1	1	-	-	6	1	1
Waterloo-road 1st	-	15269	17	6	2	-	-	-	-	1	-	1	-	-	-	4	3	2
Waterloo-road 2nd	H	18640	26	12	6	-	-	-	-	3	-	1	-	-	-	1	-	-
St. Ambeth Church 1st	-	19839	20	8	3	-	-	-	-	-	-	-	-	-	-	-	1	1
St. Ambeth Church 2nd	W	29542	29	24	13	5	-	1	1	1	-	-	-	-	-	1	-	-
St. Ann's Newington 1st	-	30785	27	17	7	4	-	-	1	-	-	-	-	-	-	3	6	1
St. Ann's Newington 2nd	-	20440	13	9	5	1	-	-	-	1	-	-	-	-	-	2	-	-
St. Ann's	-	20667	20	16	6	1	-	-	-	1	-	-	-	-	-	4	1	-
St. Ann's	W	7462	4	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-
St. Ann's	-	20894	26	11	5	-	-	1	-	-	-	-	-	-	1	7	-	-
St. Ann's	W	19600	50	34	17	4	-	-	1	4	-	-	-	-	2	3	-	-
St. Ann's	L	18346	15	15	6	1	-	-	-	-	-	-	-	-	-	5	-	2
St. Ann's	-	6461	7	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1
St. Ann's	-	10682	6	8	1	1	-	-	-	1	-	-	-	1	-	1	1	-
St. Ann's	-	1723	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Ann's	WHL†	21297	14	11	5	5	-	-	-	-	-	-	-	-	-	-	-	-
St. Ann's	W	28135	29	16	6	5	1	-	-	-	-	-	-	-	-	4	-	1
St. Ann's	George Camberwell	20333	25	19	12	2	-	-	3	-	-	-	-	-	-	6	1	1
St. Ann's	-	37834	30	12	6	1	-	-	-	1	-	-	-	-	-	3	-	-
St. Ann's	Nicholas Deptford	8139	2	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-
St. Ann's	Greenwich West	21696	14	15	4	-	-	-	-	8	-	-	-	-	-	3	-	-
St. Ann's	Greenwich East	18306	12	17	3	7	-	-	-	-	-	-	-	2	-	3	-	10
St. Ann's	-	3009	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Ann's	-	11003	7	4	1	1	-	-	-	-	-	-	-	-	-	1	-	-
St. Ann's	Wisham Village	7372	11	8	3	1	-	-	-	1	-	-	-	-	-	-	-	1
St. Ann's	Denham	10595	20	11	8	1	-	-	-	-	-	-	-	1	-	4	-	-
St. Ann's	-	9276	3	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Ann's	oolwich Dockyard	22910	10	2	1	-	-	-	-	-	-	-	-	-	-	1	-	1
St. Ann's	oolwich Arsenal	18776	14	6	4	1	-	-	-	-	-	-	-	1	-	-	-	-
St. Ann's	umstead West	24502	5	6	3	2	-	-	-	-	-	-	-	-	-	2	-	-
St. Ann's	umstead East	-	8	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district. Holborn Workhouse is in Hoxton New Town sub-district.
 The Strand " " Tottenham-court sub-district. London City " " Mile End Old Town Eastern sub-dist. and
 London City " " Islington East. Stepney " " Bow sub-district.
 Do. do. " " Hackney sub-district. Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 13th August, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.					
Phases of Moon.		Mean (cor-reading and reduced to 32 deg. Fahr. height).		Dew Point.		Lowest on the sun, as shown by a thermom-eter with bulb in shade.		Highest in the shade, as shown by a thermom-eter with bulb in shade.		In the Water of Greenwich, by self-registering thermometers.		Between Dew Point and Air Temperature.		Between tem-perature of the day and mean tem-perature of the same day on an average of 50 years.*		Degree of dry-ness, in a complete saturation being 100.		As deduced from Anemometers.		Direction.		Force.		Direction.		Force.	
		High-est.	Low-est.	Range in day.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.	Mean value.
AUGUST.		in.		°		°		°		°		°		°		°		°		°		°		°		°	
SUNDAY	7	29.683	66.1	57.3	8.8	60.6	57.7	79.9	47.2	0	0	2.9	4.5	0.0	1.4	90	1.4	SSE.	0.9	0.0	0.1	157	0.12	5			
MONDAY	8	29.752	75.1	59.5	15.6	65.6	58.9	119.5	56.2	..	..	6.7	12.4	0.6	+ 3.6	79	+ 3.6	Calm & ENE.	1.9	0.0	0.2	216	0.13	3	
TUESDAY	9	29.895	78.7	56.8	21.9	65.0	56.3	138.7	49.4	..	..	8.7	20.6	2.5	+ 2.9	74	+ 2.9	NNE.	2.2	0.0	0.2	252	0.08	2	
WEDNESDAY	10	29.940	73.4	58.0	15.4	63.7	56.2	123.6	51.6	..	..	7.5	13.6	2.9	+ 1.6	77	+ 1.6	N. by E.	2.9	0.0	0.3	270	0.29	4	
THURSDAY	11	30.008	75.6	56.3	19.3	64.1	54.7	124.5	50.0	..	..	9.4	17.9	1.7	+ 2.0	72	+ 2.0	N.	2.9	0.0	0.4	318	0.00	3	
FRIDAY	12	30.049	79.1	56.8	22.3	66.9	58.0	142.7	50.8	..	..	8.9	21.4	1.1	+ 4.9	73	+ 4.9	NNE.	2.3	0.0	0.3	251	0.00	5	
SATURDAY	13	30.081	77.6	58.9	18.7	65.7	52.1	146.4	52.2	..	..	13.6	23.8	3.0	+ 3.8	61	+ 3.8	NE. by S. & ENE.	2.1	0.0	0.3	300	0.00	5	
MEANS		29.915	75.1	57.7	17.4	64.5	56.3	125.0	51.1	..	..	8.2	16.3	1.7	+ 2.5	75	+ 2.5	NNE.	..	..	..	Sum 1764	Sum 0.62	3.6
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		

SKY AND ATMOSPHERE.

The height of the cistern of the barometra is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's thin glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. p.m.; and 9h. p.m. The means of the readings of the barometer, the dry thermometer, and the wet thermometer observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845. December 31.—See *Phil. Trans.*, part I. 1848. The mean daily values both of the thermometer and of the barometer are deduced from mean daily values of the wet bulb and dry thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for variations of the daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. p.m.; and 9h. p.m., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31. *In reading the 17th column it will be borne in mind that *s* is read "*higher*," and "*t*," "*lower*," than the average. The results of all the meteorological observations are to be understood as relating to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.78 in. at the beginning of the week to 29.08 in. by 8.11 P.M. on the 7th; increased to 30.10 in. by 9h. A.M. on the 13th, and was 30.08 in. at the end of the week.

Generally overcast. Occasional showers of rain.

Partially cloudy. Occasional showers of rain. Thunder was heard about 11h. A.M.

Fine; partially cloudy. A heavy shower of rain fell between 2h. 20m. P.M. and 2h. 30m. P.M.

Generally cloudy till evening, and showers of rain fell occasionally; generally clear at night.

A fine day; partially cloudy till evening; cloudless at night.

A fine day; light clouds prevailed during the day; at night cloudless.

A fine day; light clouds generally prevailed.

The electrical apparatus was under repair throughout the week.

WEDNESDAY	10
THURSDAY	11
FRIDAY	12
SATURDAY	13

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

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By Authority of the Registrar General.  
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PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 33. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, AUGUST 20. [Price 1d.

*General Register Office, Somerset House,
22d August 1870.*

DURING the week ending Saturday the 20th instant, 4877 *births* and 3767 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 27 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the four preceding weeks was 28 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow :—Liverpool 41 per 1000, Bradford 41, Manchester 32, Salford 32, London 23, Birmingham 24, Newcastle-upon-Tyne 34, Leeds 40, Portsmouth 17, Sheffield 31, Hull 29, Wolverhampton 34, Bristol 31, Nottingham 26, Sunderland 24, Leicester 35, Norwich 39. Eleven deaths from cholera were returned last week in the 17 towns, exclusive of London, against 18 in the week preceding. The general death-rate has declined in all the towns except Norwich, Wolverhampton, Manchester, Salford, Sunderland, and Newcastle. Diarrhœa continues excessively prevalent in Norwich, Wolverhampton, Liverpool, and the Yorkshire towns.

In Edinburgh the annual rate of mortality last week was 25 per 1000 persons living, in Glasgow 28 per 1000, and in Dublin 21.

In Paris the deaths registered during the week ending last Saturday were at the annual rate of 32 per 1000 persons living : the reported deaths from small-pox were 187, against 176 and 151 in the two preceding weeks. In Vienna the annual rate of mortality during the week ending the 13th instant was 29 per 1000. In the City of Bombay the deaths registered during the two weeks ending 19th and 26th July were 232 and 223 respectively, and the mortality was at the annual rate of 15 and 14 per 1000.

In LONDON the *births* of 1136 boys and 976 girls, in all 2112 children, were registered last week. The *deaths* registered in the same time were 1398. During the corresponding weeks of ten previous years the registered births averaged 1892, and the deaths 1365 per week ; after making due allowance for increase of population, the average for the past week is estimated at 2081 births and 1501 deaths ; the registered births, therefore, were 31 above, and the deaths 103 below, the estimated average.

The mortality in the Western group of Districts was at the annual rate of 20, in the Northern group of 22, in the Central group of 22, in the Eastern group of 24, and in the Southern group of 25 per 1000 persons living.

Zymotic diseases caused 538 deaths, including 10 from small-pox, 15 from measles, 126 from scarlet fever, 2 from diphtheria, 9 from croup, 17 from whooping-cough, 7 from typhus, 31 from enteric (or typhoid) fever, 12 from simple continued fever, 5 from erysipelas, and 248 from diarrhœa.

From "simple cholera" and choleraic diarrhœa 9 deaths were registered, the number for each of the preceding five weeks having averaged 31.

Under the influence of a diminished temperature the diarrhœal mortality has again exhibited a declining tendency, the deaths last week having been less than the

number returned in either of the previous six weeks. Scarlet fever on the other hand appears to be extending its ravages, the deaths having gradually risen during the last four weeks: it continues to be most fatal in the West Districts.

Thirty-eight deaths resulted from violence: of these 33 were accidental, including 12 by fractures, 4 by burns or scalds, 9 by drowning, and 5 (infants) by suffocation.

Four fatal accidents caused by horses or vehicles in the streets were returned last week; a boy, aged 10 years, was killed on the Victoria Embankment, on 11th August, having been "knocked down by a horse when leaving the hind part of a van with which he had been running;" a cab driver, aged 26 years, died at King's College Hospital on 11th August, of injuries resulting from his being accidentally thrown off the Hansom cab he was driving, by its collision with a post in Holborn; an infant, 12 weeks old, died on 17th August, of injuries from the wheel of a cart passing over his foot, the nurse who was carrying him having fallen down with him in the street; a girl in her second year of age was killed in Bermondsey on 17th August, by the wheel of a van passing over her.

In the Public Institutions of the Metropolis 180 deaths were registered; of these 102 occurred in Workhouses, 1 in Military and Naval Asylums, 50 in General Hospitals, 16 in Hospitals for special diseases, 1 (child) in Lying-in Hospitals, 3 in Military and Naval Hospitals, 1 in Hospitals and Asylums for Foreigners, and 6 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·860 in.; the highest was 30·08 in. at the beginning of the week, and the lowest was 29·62 in. on Thursday evening. The mean temperature of the *air* was 60°·9, or 0°·3 below the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The weekly mean temperature has ranged from 2° to 6°·8 above the average in each of the preceding six weeks. The highest day temperature in the shade was 79°·9 on Thursday; the lowest night temperature was 46°·3 on Thursday and Saturday; the entire range of temperature in the week was, therefore, 33°·6. The highest temperature in the sun was 138°·5 on Sunday. The mean temperature was slightly above the average on the three first days of the week, on Wednesday just below, on Thursday 2°·4 above, on Friday 2°·7 below, and on Saturday 3°·6 below. The difference between the mean *dew-point* temperature and *air* temperature was 10°·4. The mean degree of *humidity* of the air was 69, complete saturation being represented by 100. No *rain-fall* was measured in the week. The general direction of the *wind* was N.N.E., and the horizontal movement of the air amounted to 10 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 55°·0 in Newcastle-on-Tyne to 63°·5 in Portsmouth; the lowest recorded night temperature was 42°·0 in Hull, and the highest day temperature in the shade was 80°·6 in Portsmouth. Rain fell to the extent of 1·04 in. at Norwich; small quantities, not exceeding $\frac{1}{2}$ an inch, were measured in most of the other towns.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 16°·1; the highest day temperature in the shade was 26°·6; the lowest night temperature was 7°·9; the highest temperature in the sun was 59°·2. The mean temperature of the week on an average of 50 years was 16°·2, or 0°·1 above the temperature of last week. The wind blew at the rate of 16 kilometers an hour.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 173,326 cubic metres, and at Barking 186,066 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTY-THIRD Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1685	1699	1648	1909	1951	1973	1871	1997	2054	2134	1892·1	2112
Males . .	829	839	826	979	1048	954	944	1017	1097	1065	958·8	1136
Females . .	856	810	822	930	903	1019	927	980	1017	1069	933·3	976
TOTAL Deaths	1029	1257	1223	1320	1451	1182	1799	1391	1462	1527	1364·6	1398
Males	515	642	625	704	724	612	946	698	741	764	697·1	737
Females	514	615	603	616	727	570	853	693	721	763	667·5	661

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	May 28.	June 4.	June 11.	June 18.	June 25.	July 2.	July 9.	July 16.	July 23.	July 30.	Aug. 6.	Aug. 13.	Aug. 20.
TOTAL Deaths - - -	1239	1232	1273	1292	1282	1359	1497	1498	1754	1700	1648	1494	1398
Deaths under 5 years of age -	515	482	542	544	575	682	813	765	966	989	913	830	759
Deaths 5—20 - - -	95	125	105	112	124	114	115	128	136	114	123	124	118
Deaths 20—40 - - -	193	106	208	177	173	161	171	188	193	167	192	151	167
Deaths 40—60 - - -	206	205	201	209	188	189	187	187	214	205	189	177	153
Deaths 60—80 - - -	196	176	186	208	184	183	177	178	195	186	195	175	160
Deaths at 80 years & upwards	34	38	31	42	38	30	34	52	50	39	36	37	41
Deaths from Smallpox - -	11	12	8	7	11	12	13	11	15	11	15	11	10
" " Measles - - -	31	34	53	36	51	42	41	31	33	30	33	22	15
" " Scarlet Fever - -	90	91	103	100	95	80	104	85	130	100	114	118	126
" " Diphtheria - - -	3	7	4	7	4	6	8	7	7	5	4	9	2
" " Whooping-cough - -	28	24	33	25	27	28	24	31	20	26	24	25	17
" " Typhus fever - - -	8	3	4	16	7	8	9	14	10	8	10	12	7
" " Enteric (or Ty-) phoid fever - -	13	17	8	16	21	12	21	18	22	14	24	23	31
" " Simple Cont'd fever - -	11	14	14	15	6	7	11	7	14	9	9	9	12
" " Diarrhoea - - -	13	22	34	56	86	192	258	259	385	371	385	289	248
" " Simple Cholera - -	—	1	1	—	2	12	10	22	31	46	32	25	9
" " Phthisis - - -	179	173	181	161	145	149	141	142	148	158	170	153	169
" " Bronchitis - - -	98	85	75	80	61	56	59	61	65	66	52	45	40
" " Pneumonia - - -	57	57	61	50	48	41	43	34	43	38	28	38	31
" " Heart Disease - -	52	70	43	60	57	60	63	66	52	48	46	52	41
Mean Temperature of the Air	56·6	58·1	58·0	64·6	63·8	57·7	65·0	65·7	68·5	64·8	65·3	64·5	60·9
Mean Temperature of the Water of the Thames	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	69	77	68	68	66	71	72	67	64	74	81	75	69
Rain-fall in inches - -	0·00	0·16	0·00	0·15	0·12	0·16	0·12	0·80	0·00	0·93	0·15	0·62	0·00

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory, that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; G. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Bilson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 20th day of August 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 20th August.	DEATHS registered during the Week ending 20th August.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Cent.
Total of 20 TOWNS in the UNITED KINGDOM - - -	213,281	7,216,325	33·8	4877	3767	80·6	39·5	58·7	14·83	0·20	0·1
LONDON - - -	77,997	3,214,707	41·2	2112	1398	79·9	46·3	60·9	16·06	0·00	0·0
PORTSMOUTH - - -	9,513	122,084	12·8	81	40	80·6	46·0	63·5	17·50	0·06	0·0
NORWICH - - -	7,472	81,087	10·9	47	61	73·5	40·0	58·8	14·89	1·04	2·0
BRISTOL - - -	4,688	171,882	36·6	118	102	79·7	45·9	58·9	14·94	0·01	0·0
WOLVERHAMPTON - - -	3,387	72,990	21·5	47	47	72·0	45·5	57·5	14·16	0·00	0·0
BIRMINGHAM - - -	7,831	369,604	47·2	243	172	74·7	44·4	58·1	14·50	0·00	0·0
LEICESTER - - -	3,200	97,427	30·4	79	65	—	—	—	—	—	—
NOTTINGHAM - - -	1,996	88,888	44·5	46	44	78·6	45·1	59·3	15·16	0·03	0·0
LIVERPOOL - - -	5,108	517,567	101·3	365	406	72·1	48·7	58·0	14·44	0·15	0·0
MANCHESTER - - -	4,486	374,993	83·6	257	230	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	85	75	75·3	43·9	57·6	14·22	0·04	0·0
BRADFORD - - -	6,590	143,197	21·7	94	113	73·5	47·3	58·9	14·94	0·24	0·0
LEEDS - - -	21,572	259,527	12·0	193	198	77·0	48·0	60·4	15·78	0·53	1·0
SHEFFIELD - - -	22,830	247,378	10·8	209	145	74·7	47·0	58·5	14·72	0·08	0·0
HULL - - -	3,562	130,869	36·7	100	72	73·0	42·0	56·4	13·55	0·49	1·0
SUNDERLAND - - -	3,306	100,979	30·5	87	46	—	—	—	—	—	—
NEWCASTLE-ON-TYNE - - -	5,336	133,367	25·0	87	88	67·0	48·0	55·0	12·78	0·18	0·0
EDINBURGH - - -	4,427	178,970	40·4	114	85	76·7	45·0	58·8	14·89	0·40	1·0
GLASGOW - - -	5,063	468,189	92·5	333	252	77·7	43·3	58·7	14·83	0·12	0·0
DUBLIN - - -	9,745	321,540	33·0	180	128	79·1	39·5	58·6	14·78	0·00	0·0
PARIS - - -	7,802	1,889,842	242	—	1165	—	—	—	—	—	—
VIENNA - - -	3,728*	622,087	167	Week ending 13 Aug. 1870.	Week ending 13 Aug. 1870. 350	—	—	68·0	20·00	—	—
BERLIN - - -	6,253	800,000	128	Week ending 18 Aug. 1870.	Week ending 18 Aug. 1870.	—	—	—	Week ending 18th August 1870.	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 20th day of August 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include										
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.
Total of 17 TOWNS -	28	3302	1349	440	13	35	209	10	34	123	862	68	125
LONDON - - -	23	1398	493	201	10	15	126	2	17	50	248	38	65
PORTSMOUTH - - -	17	40	16	9	—	—	1	—	—	—	5	1	1
NORWICH - - -	39	61	33	11	—	1	2	—	—	1	25	—	1
BRISTOL - - -	31	102	24	11	—	—	18	—	1	8	13	1	3
WOLVERHAMPTON - - -	34	47	20	1	—	—	1	—	—	3	23	—	—
BIRMINGHAM - - -	24	172	89	23	—	—	3	2	1	6	60	6	12
LEICESTER - - -	35	65	42	8	—	2	5	—	2	—	19	—	3
NOTTINGHAM - - -	26	44	18	4	—	—	3	1	—	3	11	—	—
LIVERPOOL - - -	41	406	192	62	1	3	23	1	8	12	134	8	14
MANCHESTER - - -	32	230	112	25	1	—	2	—	—	9	82	2	9
SALFORD - - -	32	75	32	10	—	—	1	—	1	4	25	1	4
BRADFORD - - -	41	113	51	10	—	4	9	—	—	7	41	2	2
LEEDS - - -	40	198	100	20	—	10	1	1	1	10	71	2	2
SHEFFIELD - - -	31	145	51	19	—	—	7	—	1	8	57	4	4
HULL - - -	29	72	25	10	—	—	6	1	1	1	20	1	2
SUNDERLAND - - -	24	46	16	6	—	—	—	2	1	1	10	1	1
NEWCASTLE-ON-TYNE - - -	34	88	35	10	1	—	1	—	—	—	18	1	2
DUBLIN - - -	21	128	31	25	—	2	5	1	1	7	18	5	5

TABLE 5.—DEATHS in LONDON Registered in the THIRTY-THIRD Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Thirty-third Week in the 10 years 1860-69.	In the Week ending Saturday, August 20, 1870.								CAUSES OF DEATH.		Averages of the Thirty-third Week in the 10 years 1860-69.	In the Week ending Saturday, August 20, 1870.									
			Deaths of Persons of the Ages											Deaths of Persons of the Ages									
			ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.				80 Years and upwards.	ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.	80 Years and upwards.
				Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.							Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.		
Mean Temperature -		61.4	60.9	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature -		61.4	60.9	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				
ALL CAUSES -		1364.6	1398	759	118	167	153	160	41	9. Stricture of Intestines -		.9	1	-	-	-	-	1	-				
SPECIFIED CAUSES		1349.2	1394	758	118	165	153	159	41	10. Fistula -		.8	-	-	-	-	-	-	-				
ZYMOTIC DISEASES.										11. Stomach Disease, &c. -		6.6	13	2	-	1	2	7	1				
ORDER 1.										12. Pancreas Disease, &c. -		.1	-	-	-	-	-	-	-				
Small-pox -		15.2	10	6	1	2	-	1	-	13. Hepatitis -		3.6	6	-	-	1	3	2	-				
Measles -		28.9	15	14	1	-	-	-	-	14. Jaundice -		4.7	3	1	1	-	-	-	1				
Scarlet Fever (Scarlatina) -		68.0	126	83	41	2	-	-	-	15. Liver Disease, &c. -		20.7	16	-	-	1	10	3	2				
Diphtheria -		9.6	2	1	1	-	-	-	-	16. Spleen Disease, &c. -		-	-	-	-	-	-	-	-				
Quinsy -		.8	-	-	-	-	-	-	-	ORDER 5.													
Croup -		13.3	9	9	-	-	-	-	-	1. Nephritis -		.4	2	2	-	-	-	-	-				
Whooping-cough -		32.0	17	17	-	-	-	-	-	2. Ischuria -		.4	-	-	-	-	-	-	-				
Typhus -		7	7	1	3	2	-	-	-	3. Bright's Disease (Nephria) -		7.9	7	-	-	1	5	-	-				
Enteric or Typhoid Fever -		45.1	31	9	10	6	3	3	-	4. Diabetes -		1.2	2	-	-	-	2	-	-				
Simple continued Fever -		12	12	4	2	1	5	-	-	5. Calculus (Stone) -		1.0	1	-	-	1	-	-	-				
Erysipelas -		5.6	5	-	-	3	1	1	-	6. Cystitis -		.7	-	-	-	-	-	-	-				
Puerperal Fever (Metria) -		3.1	-	-	-	-	-	-	-	7. Kidney Disease, &c. -		6.6	9	-	-	3	2	4	-				
Carbuncle -		1.1	-	-	-	-	-	-	-	ORDER 6.													
Influenza -		.4	-	-	-	-	-	-	-	1. Ovarian Dropsy -		.9	1	-	-	-	-	1	-				
Dysentery -		2.1	3	2	-	1	-	-	-	2. Uterus Disease, &c. -		2.6	7	-	-	2	3	2	-				
Diarrhoea -		186.7	248	232	1	3	-	9	3	ORDER 7.													
Simple Cholera -		58.8	9	6	-	-	2	1	-	1. Synovitis (Arthritis) -		.2	1	-	-	-	-	1	-				
Ague -		1.1	-	-	-	-	-	-	-	2. Joint Disease, &c. -		4.7	3	-	1	2	-	-	-				
Remittent Fever -		1.1	-	-	-	-	-	-	-	ORDER 8.													
Rheumatism -		6.4	5	-	2	2	1	-	-	1. Phlegmon -		2.3	-	-	-	-	-	-	-				
Other Zymotic Diseases -		.1	-	-	-	-	-	-	-	2. Ulcer -		1.1	-	-	-	-	-	-	-				
ORDER 2.										3. Skin Disease, &c. -		1.1	1	-	-	-	1	-	-				
Syphilis -		6.7	6	4	-	1	1	-	-	IV. DEVELOPMENTAL DISEASES.													
Stricture of Urethra -		.8	1	-	-	-	-	-	-	ORDER 1.													
Hydrophobia -		.1	-	-	-	-	-	-	-	1. Premature Birth -		18.1	21	21	-	-	-	-	-				
Glanders -		-	-	-	-	-	-	-	-	2. Cyanosis -		1.6	3	3	-	-	-	-	-				
ORDER 3.										3. Spina Bifida -		1.4	-	-	-	-	-	-	-				
Privation -		.6	-	-	-	-	-	-	-	4. Other Malformations -		1.5	2	2	-	-	-	-	-				
Want of Breast-milk -		10.5	19	19	-	-	-	-	-	5. Teething -		12.9	9	9	-	-	-	-	-				
Purpura and Scoury -		.8	-	-	-	-	-	-	-	ORDER 2.													
Alco. & Del. Tremens -		3.2	3	-	-	1	2	-	-	1. Paramenia -		.4	-	-	-	-	-	-	-				
Intemperance -		1.4	2	-	-	1	1	-	-	2. Childbirth (see Puerperal Fever) -		5.0	2	-	-	2	-	-	-				
ORDER 4.										ORDER 3.													
Thrush -		5.7	8	8	-	-	-	-	-	1. Old Age -		40.5	36	-	-	-	-	17	19				
Worms, &c. -		-	-	-	-	-	-	-	-	ORDER 4.													
CONSTITUTIONAL DIS.										1. Atrophy and Debility -		77.1	91	81	-	1	-	9	-				
ORDER 1.										V. VIOLENT DEATHS, &c.													
Gout -		2.2	1	-	-	-	-	-	-	ORDER 1.													
Dropsy -		12.9	18	3	1	-	2	7	-	(ACCIDENT OR NEGLIGENCE.)													
Cancer -		30.0	29	-	-	2	16	10	1	1. Fractures and Contusions -		16.7	12	2	2	4	1	3	-				
Cancrum Oris (Noma) -		.3	-	-	-	-	-	-	-	2. Wounds -		.1	-	-	-	-	-	-	-				
Mortification -		3.3	2	-	-	-	-	1	1	3. Burns and Scalds -		3.9	4	1	2	-	-	-	1				
ORDER 2.										4. Poison -		1.6	1	-	-	1	-	-	-				
Scrofula -		9.1	4	8	-	-	1	-	-	5. Drowning -		8.5	9	1	7	-	1	-	-				
Tabes Mesenterica -		28.4	49	47	2	-	-	-	-	6. Suffocation -		5.1	5	5	-	-	-	-	-				
Phthisis -		146.9	169	15	27	78	40	9	-	7. Otherwise -		2.1	2	1	1	-	-	-	-				
Hydrocephalus -		26.3	25	24	1	-	-	-	-	ORDER 3.													
III. LOCAL DISEASES.										(HOMICIDE.)													
ORDER 1.										1. Murder and Manslaughter		2.6	1	1	-	-	-	-	-				
Cephalitis -		13.9	22	13	2	6	1	-	-	ORDER 4.													
Apoplexy -		31.0	21	4	-	2	5	8	2	(SUICIDE.)													
Paralysis -		22.5	26	-	1	1	7	12	5	1. Wounds { Gunshot -		.1	-	-	-	2	-	-	-				
Mania -		1.8	1	-	-	1	-	-	-	2. Poison -		.7	2	-	-	-	-	-	-				
Chorea -		.1	-	-	-	-	-	-	-	3. Drowning -		.7	-	-	-	1	-	-	-				
Epilepsy -		5.9	6	1	-	3	1	1	-	4. Hanging -		2.4	1	-	-	-	-	1	-				
Convulsions -		40.9	46	44	2	-	-	-	-	5. Otherwise -		.4	-	-	-	-	-	-	-				
Brain Disease, &c. -		15.6	10	3	-	4	1	2	-	ORDER 5.													
ORDER 2.										(EXECUTION.)													
Pericarditis -		2.3	1	-	-	-	1	-	-	1. Hanging -		-	-	-	-	-	-	-	-				
Aneurism -		1.5	2	-	-	-	1	1	-	Violent Deaths (not classed)		.2	-	-	-	-	-	-	-				
Heart Disease, &c. -		46.7	41	2	2	9	17	10	1	Sudden Deaths (Cause un-		2.3	-	-	-	-	-	-	-				
ORDER 3.										ascertained)													
Laryngitis -		3.8	3	3	-	-	-	-	-	Causes not specified or ill-		13.1	4	1	-	2	-	1	-				
Bronchitis -		47.8	40	18	-	1	9	8	4	defined													
Pleurisy -		1.9	-	-	-	-	-	-	-														
Pneumonia -		43.3	31	19	2	4	4	2	-														
Asthma -		3.9	1	-	-	-	-	-	-														
Lung Disease, &c. -		9.0	11	4	-	3	2	2	-														
ORDER 4.																							
Gastritis -		2.0	3	-	1	-	1	1	-														
Enteritis -		7.2	9	6	-	1	1	1	-														
Peritonitis -		5.5	8	1	2	2	2	1	-														
Ascites -		2.2	-	-	-	-	-	-	-														
Ulceration of Intestines -		2.3	3	1	-	1	-	1	-														
Hernia -		3.4	2	-	-	1	1	-	-														
Jeus -		3.2	2	-	-	1	1	-	-														
Intussusception -		1.2	-	-	-	-	-	-	-														

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.			POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
						Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON			2,863,989	2112	1398	493	201	10	15	126	2	17	7	31	12	248	38	65	180	
WEST DISTRICTS			458,125	338	208	69	26	-	1	32	-	2	1	3	-	28	6	9	23	
NORTH DISTRICTS			618,210	474	304	99	53	3	6	80	1	-	3	12	1	56	7	16	52	
CENTRAL DISTRICTS			388,321	175	147	47	25	-	1	17	-	2	-	4	1	16	7	8	26	
EAST DISTRICTS			571,158	447	284	101	40	5	3	10	-	5	-	3	3	50	6	16	32	
SOUTH DISTRICTS			773,175	678	455	177	57	2	4	37	1	8	3	9	7	98	12	16	47	
WEST DISTRICTS.																				
St. Mary Paddington WH			39015	45	23	11	3	-	-	2	-	-	-	-	-	2	-	-	2	
St. John Paddington H			36769	17	6	1	1	-	-	-	-	-	-	-	-	1	1	-	3	
Kensington Town W			51910	65	25	10	3	-	-	3	-	1	-	-	-	3	1	3	-	
Brompton H			18198	18	5	2	1	-	-	-	-	-	-	-	-	-	-	-	1	
St. Peter Hammersmith			5415	3	2	1	-	-	-	-	-	1	-	-	-	1	-	-	-	
St. Paul Hammersmith H			19104	15	12	7	5	-	-	2	-	-	-	1	-	3	-	-	-	
Fulham W			15539	16	8	2	3	-	-	-	-	-	-	-	-	2	-	-	-	
Chelsea South H			21654	23	17	5	1	-	-	7	-	-	-	-	-	2	-	-	1	
Chelsea North-west HW			19899	8	16	5	-	-	-	5	-	-	-	-	-	2	-	2	1	
Chelsea North-east			21886	14	5	1	2	-	-	1	-	-	-	-	-	2	-	-	-	
Hanover Square			19773	8	5	3	-	-	-	-	-	-	-	-	-	1	-	-	-	
May Fair W			12883	4	5	1	1	-	-	-	-	-	-	-	-	-	-	-	4	
Belgrave H			55113	36	18	3	2	-	-	2	-	-	2	-	-	2	1	1	3	
St. John Westminster H			37483	27	22	6	1	-	1	4	-	-	-	-	-	4	-	-	-	
St. Margaret Westminster WH			30730	6	11	3	1	-	-	-	-	-	-	-	-	1	1	-	6	
St. James's Square			10753	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W			13966	7	6	3	1	-	-	1	-	-	-	-	-	1	1	1	2	
Berwick-street			10697	6	9	3	-	-	-	5	-	-	-	-	-	-	-	-	-	
St. Anne Soho			17426	14	6	1	1	-	-	-	-	1	-	-	-	1	1	1	-	
NORTH DISTRICTS.																				
All Souls Marylebone H			29952	20	9	2	1	-	-	2	-	-	-	-	-	2	-	-	2	
Cavendish Square			15090	9	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W			26892	11	16	3	6	-	-	1	-	-	-	-	-	5	-	-	7	
St. Mary Marylebone H			22493	11	7	3	1	-	-	-	-	-	-	-	-	-	-	-	1	
Christchurch Marylebone			34913	25	14	4	3	-	-	1	-	-	-	-	2	1	1	-	-	
St. John Marylebone			32540	17	15	5	2	-	-	3	-	-	-	-	1	-	3	-	-	
Hampstead WH			19106	17	6	2	1	-	-	-	-	-	1	-	1	-	-	-	1	
Regent's Park Pancras			34927	21	9	4	2	-	-	1	-	-	-	-	-	3	-	-	-	
Tottenham-court WH			29371	14	13	2	4	-	-	1	-	-	-	-	-	-	-	2	4	
Gray's Inn Lane H			27808	16	18	6	3	-	1	1	-	-	-	-	-	2	-	1	2	
Somers Town			33099	31	24	8	-	-	1	2	1	-	-	2	-	4	1	1	-	
Camden Town W			23266	16	20	7	7	-	-	-	-	-	-	-	-	-	3	7	12	
Kentish Town			44317	42	16	5	2	-	-	1	-	-	-	-	-	2	-	-	-	
Islington West WHH			79442	75	48	13	4	3	-	9	-	-	3	8	-	6	-	-	16	
Islington East WH			79899	73	38	13	7	-	1	7	-	-	-	-	-	12	-	-	-	
Stoke Newington			6618	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill			5483	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney			24265	14	5	3	1	-	-	-	-	-	-	-	-	2	-	-	-	
Hackney WHW			31481	41	25	7	4	-	1	1	-	-	1	1	6	1	1	7	-	
South Hackney L			15458	14	15	10	3	-	-	-	-	-	-	-	-	8	1	-	-	
CENTRAL DISTRICTS.																				
St. George Bloomsbury			17392	10	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH			19483	8	9	3	4	-	-	-	-	-	1	-	-	2	1	1	8	
St. Giles North			17201	2	4	2	-	-	-	1	-	-	-	-	-	1	-	-	-	
Long Acre			11618	6	5	1	1	-	-	-	-	-	-	-	-	1	-	-	-	
Charing Cross WH			11071	1	6	-	-	-	-	-	-	-	-	-	-	-	3	1	6	
St. Mary-le-Strand			10346	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H			15207	10	17	4	1	-	-	4	-	-	-	1	-	-	1	1	2	
St. George-the-Martyr H			19903	20	7	4	1	-	-	-	-	-	-	-	-	3	-	-	-	
St. Andrew East Holborn W			12947	6	13	3	3	-	-	-	-	-	-	-	-	1	-	-	8	
Saffron Hill			12012	3	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W			19152	9	9	4	1	-	-	2	-	-	-	-	-	-	-	-	-	
Amwell Clerkenwell			17250	9	7	-	2	-	1	-	-	1	-	1	-	-	-	-	2	
Pentonville			13079	12	5	3	2	-	-	-	-	-	-	1	2	-	-	-	-	
Gooswell-street			16200	9	10	6	2	-	-	-	-	-	-	-	-	-	-	-	-	
Old-street			11504	8	9	2	-	-	-	4	-	-	-	-	1	1	-	-	-	
City-road HL			17860	4	5	2	-	-	-	2	-	-	-	-	-	1	-	-	-	
Whitcross-street			14778	6	3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
Finsbury			12931	3	3	1	-	-	-	1	-	-	-	-	-	1	-	-	-	
St. Botolph East London			20090	13	7	3	-	-	-	1	-	-	-	-	-	-	-	1	-	
Cripplegate			19697	8	6	2	1	-	-	1	-	-	-	-	-	1	-	-	-	
St. Sepulchre WH			11750	5	7	2	-	-	-	-	-	-	-	-	-	-	1	3	3	
St. Bride W			15395	5	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard			7762	5	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
Christchurch			9020	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe			8570	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking			8659	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street			11544	2	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

<p>St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.</p>				<p>Holborn Workhouse is in Hoxton New Town sub-district.</p>			
<p>The Strand - - - - - Tottenham-court sub-district.</p>				<p>London City - - - - - Mile End Old Town Eastern sub-dist. and</p>			
<p>London City - - - - - Islington East - - - - - Bow sub-district.</p>				<p>Stepney - - - - - Bow sub-district.</p>			
<p>Do. do. - - - - - Hackney sub-district.</p>				<p>† Lunatic Asylums where paupers are admitted.</p>			

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 34. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, AUGUST 27. [Price 1½d.

*General Register Office, Somerset House,
29th August 1870.*

DURING the week ending Saturday the 27th instant, 4736 *births* and 3698 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 27 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the four preceding weeks was 28 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow:—Liverpool 35 per 1000, Bradford 35, Manchester 34, Salford 26, London 23, Birmingham 29, Newcastle-upon-Tyne 26, Leeds 40, Portsmouth 16, Sheffield 27, Hull 34, Wolverhampton 28, Bristol 26, Nottingham 24, Sunderland 24, Leicester 40, Norwich 39.

In Edinburgh the annual rate of mortality last week was 20 per 1000 persons living, in Glasgow 30 per 1000, and in Dublin 23. In Paris the deaths registered during the week ending last Saturday were at the annual rate of 31 per 1000 persons living: the reported deaths from small-pox were 99, being the smallest number recorded in any week since March last. In Vienna the annual rate of mortality during the week ending the 20th instant was 33 per 1000. In the City of Bombay the deaths registered during the week ending 2d August were 292, and the mortality was at the annual rate of 19 per 1000, or 4 per 1000 in excess of the mean annual rate in the four preceding weeks.

In LONDON the *births* of 1027 boys and 979 girls, in all 2006 children, were registered last week. The *deaths* registered in the same time were 1393. During the corresponding weeks of ten previous years the registered births averaged 1924, and the deaths 1285 per week; after making due allowance for increase of population, the average for the past week is estimated at 2116 births and 1414 deaths; the registered births, therefore, were 110, and the deaths 21, below the estimated average.

Zymotic diseases caused 513 deaths, including 11 from small-pox, 31 from measles, 108 from scarlet fever, 6 from diphtheria, 14 from croup, 20 from whooping-cough, 2 from typhus, 25 from enteric (or typhoid) fever, 9 from simple continued fever, 7 from erysipelas, and 202 from diarrhoea.

From "simple cholera" and choleraic diarrhoea, 19 deaths were returned.

Scarlet fever was rather less fatal than in either of the previous three weeks: two deaths occurred from this disease at 7 Spring-street, in the Holborn district, and the medical certificate for one of these deaths is endorsed with the remark, that "the state of the drainage in this house is very bad, the water closets are untrapped, and the supply of water defective; the place requires inspection by the sanitary officer."

Thirty-eight deaths resulted from violence: of these 36 were accidental, including 16 by fractures, 2 by burns or scalds, 6 by drowning, and 5 (infants) by suffocation.

The deaths of a solicitor, aged 25 years, and a boy, aged 8 years, from the effects of sunstroke, were registered.

One fatal street accident was returned last week: a boy, aged 2½ years, died on 16th instant at Radnor-street, Holborn, of internal injuries, from being run over by a horse and cart.

Professor Frankland, in his report on the quality of the Metropolitan water supply during the month of August, states that all the samples taken were clear and transparent when drawn from the mains of the Companies, except that supplied by the East London Company, which contained suspended particles amongst which living organisms were found. The water abstracted by the Chelsea and Lambeth Companies from the Thames below its junction with the Mole exhibited nearly twice as much previous sewage or animal contamination as that abstracted by the other companies above the junction.

The water supply of Birmingham appears to be in much need of the improvement for which powers were obtained in the last Session of Parliament. The analysis by Dr. Alfred Hill of the supply to the borough on the 3d instant shows that it was "highly charged with nitrogenous organic matter," and that it was also "turbid and bright green with minute vegetation." Dr. Frankland urges that until the new supply is provided every exertion should be used to render the quality of the present supply less objectionable, by sand filtration for the removal of suspended impurities. The proportion of chlorine in the Birmingham water has increased from 1.41 part in 100,000 on 10th May, to 7.44 parts in 100,000 on the 3d instant.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29.772 in.; the highest was 30.03 in. on Sunday, and the lowest was 29.64 in. on Tuesday and Friday. The mean temperature of the *air* was 57°.3, or 3°.2 below the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 71°.9 on Wednesday; the lowest night temperature was 44°.3 on Saturday; the entire range of temperature in the week was, therefore, 27°.6. The highest temperature in the sun was 129°.7 on Sunday. The mean temperature was below the average on every day of the week, the greatest defect being 5°.1 on Monday, and 4°.2 on Friday. The difference between the mean *dew-point* temperature and *air* temperature was 11°.0. The mean degree of *humidity* of the air was 67, complete saturation being represented by 100. *Rain* fell on Monday, Wednesday, and Saturday to the amount of 0.70 in. The general direction of the *wind* was N.W., and the horizontal movement of the air amounted to 11 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 52°.6 in Newcastle-on-Tyne, to 64°.5 in Norwich; the lowest recorded night temperature was 39°.6 in Nottingham, and the highest day temperature in the shade was 77°.4 in Portsmouth. Rain fell to the extent of 1.3 in. at Wolverhampton; the fall exceeded 1½ in. at Manchester and Salford; 1½ in. fell at Bristol and Liverpool; and quantities varying from 0.17 in. to 0.85 in. were measured in the other towns.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 14°.1; the highest day temperature in the shade was 22°.2; the lowest night temperature was 6°.8; the highest temperature in the sun was 54°.3. The mean temperature of the week on an average of 50 years was 15°.8, or 1°.7 above the temperature of last week. The wind blew at the rate of 17.6 kilometers an hour, and the rain-fall was 2.13 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 193,830 cubic metres, and at Barking 164,366 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of JULY 1870: thus, according to their account, 116,293,521 gallons or 528,375 cubic metres of water (equal to about as many *tons* by measure, *tons* by weight) were supplied daily; or 109.9 decalitres, rather more than a *ton* by weight, to each house, and 15.5 decalitres (= 34.1 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of July 1870, it may be estimated that about 95,575,044 gallons were probably used for domestic purposes, or about 28

gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

COMPANIES.	Number of Houses, &c. supplied in.		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for do- mestic consumption) during the Month of	
	JUNE 1870.	JULY 1870.	JUNE 1870.	JULY 1870.
TOTAL SUPPLY	478,934	480,932	114,754,281	116,293,521
From Thames	221,206	221,555	58,561,740	59,835,004
From Lea and from other Sources	257,728	259,377	56,192,541	56,458,517
THAMES.				
Chelsea	27,486	27,486	9,119,700	9,399,900
West Middlesex	40,852	40,976	10,181,094	10,089,045
Southwark and Vauxhall	77,081	77,121	15,596,457	15,597,267
Grand Junction	30,929	30,929	11,916,939	12,056,092
Lambeth	44,858	45,043	11,797,500	12,791,700
LEA AND OTHER SOURCES.				
New River	117,742	117,903	26,089,000	26,768,000
East London	100,660	101,817	21,481,700	20,846,000
Kent	39,326	39,657	8,621,841	8,904,517

Note.—The Return for July as compared with that for June shows an increase of 1998 houses, and an increase of 1,539,240 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATERS FOR AUGUST.

SIR,

Royal College of Chemistry, 27th August, 1870.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of August. For the purpose of comparison I append also the results yielded by the waters supplied to Birmingham, Manchester, Tunbridge Wells, Paisley, Hamilton, Airdrie, Greenock, and Glasgow, and by Thames water taken at Battersea Bridge at low and high-water on the 1st March.

All the metropolitan waters were clear and transparent when drawn from the mains except that supplied by the East London Company, which contained suspended particles amongst which living organisms were found.

The water supplied by the Kent Company from chalk wells contained the smallest proportion of organic elements; the New River Company's water stands next in this respect, and then that of the East London Company. The rest of the waters are drawn from the Thames, and of these that supplied by the Chelsea Company contained the smallest proportion of organic elements. The water abstracted from the Thames below its junction with the Mole by the Chelsea and Lambeth Companies exhibited nearly twice as much previous sewage or animal contamination as that abstracted by the other companies above the junction. Owing chiefly to long storage in reservoirs, the evidence of previous sewage contamination had entirely disappeared from the East London Company's water.

The results of Dr. Hill's analysis of the water supplied to Birmingham on the 3d instant show that it was highly charged with nitrogenous organic matter, and, as the water was also turbid and bright green with minute vegetation, it was quite unfit for domestic consumption. It is satisfactory to know that the Birmingham Water Company has just obtained powers from Parliament to bring in a purer and more abundant supply; in the meantime every exertion ought to be used to render the quality of the present supply less objectionable by the removal of suspended impurities by sand filtration. The proportion of chlorine, often indicative of excremental pollution, has increased from 1.41 part in 100,000 on the 10th of May last, to 7.44 parts in 100,000 on the 3d inst.

The water supply of Tunbridge Wells is remarkable for its extraordinary purity as regards organic matter. It is of excellent quality and very soft, and, being derived from deep-seated springs, the evidence of previous animal contamination implies no appreciable risk, owing to the excessive filtration through rock which the water has undergone.

Glasgow is fortunate in its abundant and constant supply of the very pure water of Loch Katrine, amounting to about 56 gallons per day per head, inclusive of that consumed for trade purposes. The Gorbals water supplied to the southern portion of the same town is also of good quality and free from all suspicion of excremental pollution. It contains, however, more peaty organic matter than the lake water.

Paisley, Hamilton, Airdrie, and Greenock are also supplied with good and wholesome water exhibiting no evidence of previous animal pollution. These waters are, however, somewhat more peaty than is desirable.

I have, &c.

The Registrar General, &c., &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 12th August, Cab Rank, Horse Guards }	19·4	23·80	·118	·024	·000	·110	·134	780	1·55	18·34
West Middlesex -	{ 11th August, Cab Rank, Portland-road }	20·5	23·76	·134	·029	·000	·087	·116	550	1·55	18·34
Southwark and Vauxhall - - -	{ 11th August, Cab Rank, St. George's Church, Borough }	20·4	21·96	·121	·031	·000	·077	·108	450	1·58	17·30
Grand Junction -	{ 11th August, Cab Rank, Woodstock-st. }	19·4	23·82	·133	·025	·000	·078	·103	460	1·57	18·08
Lambeth - - -	{ 11th August, Cab Rank, Lambeth-road }	19·4	25·98	·149	·028	·000	·118	·146	860	1·62	18·84
OTHER SOURCES.											
New River - - -	{ 11th August, Cab Rank, Tottenham- court-road }	20·1	24·00	·056	·021	·000	·146	·167	1140	1·52	18·60
East London - -	{ 12th August, Slater's Lamp Black Works, Old Ford-road }	21·7	21·34	·100	·027	·000	·027	·054	0	1·65	15·50
Kent - - -	{ 12th August, Deptfd. Bdge. Police Stat. }	15·3	39·10	·027	·019	·000	·482	·501	4500	2·38	27·22
Thames water, fil- tered - - -	{ 1st Mar. 1870, Battersea Bdge. } at low water mid-stream } at high water	—	30·64 32·20	·451 ·476	·060 ·048	·024 ·075	·493 ·364	·573 ·469	4810 3940	1·75 2·05	25·85 25·02
Birmingham * -	{ 3d August 1870, Birmingham Water Supply }	—	64·80	·573	·094	·003	·133	·229	1030	7·44	26·57
Manchester - - -	{ 29th January 1870, Manchester Water Supply }	—	5·74	·070	·007	·001	·000	·008	0	·80	2·48
Tunbridge Wells -	{ 7th July 1870, Water Supply from Pembury. }	15·5	12·26	·002	·004	·000	·496	·500	4640	2·83	3·33
Paisley Water Sup- ply - - -	{ 21st July 1870, From Rowbank Reservoir, From Stanley Reservoir }	16·4	11·68 9·14	·521 ·262	·068 ·034	·002 ·002	·000 ·000	·070 ·036	0 0	1·20 1·12	5·94 4·16
Hamilton - - -	{ 28th July 1870, Hamilton Water Supply }	17·8	11·76	·474	·052	·004	·000	·055	0	1·40	6·33
Airdrie - - -	{ 29th July 1870, Airdrie Water Supply }	17·2	23·98	·331	·047	·002	·014	·063	0	1·38	9·81
Greenock - - -	{ 26th July 1870, Greenock Water Supply }	—	5·42	·501	·037	·002	·000	·039	0	1·00	1·91
Glasgow Water Supply - - -	{ 3d August 1870, From Loch Katrine, From Gorbals }	16·7 17·8	2·40 8·80	·185 ·339	·022 ·049	·001 ·002	·000 ·018	·023 ·069	0 0	·85 1·11	·88 4·41
Column 1	2	3	4	5	6	7	8	9	10	11	12

* Analysed by Dr. Alfred Hill, of Queen's College, Birmingham.

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 12th August at the Horse Guard's cab-rank had a temperature of 19·4°C.; 100,000 lbs. of it contained 23·80 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·118 lb. of carbon and ·024 lb. of nitrogen. This solid impurity also contained ·110 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·134 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 780 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage contamination had been, so far as analysis can show, converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·55 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 18·34 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTY-FOURTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1607	1753	1850	1788	1915	1916	2042	2255	2067	2047	1924·0	2006
Males . . .	827	909	942	912	992	947	1050	1154	1047	1032	981·2	1027
Females . .	780	844	908	876	923	969	992	1101	1020	1015	942·8	979
TOTAL Deaths	937	1159	1254	1337	1413	1135	1477	1247	1428	1463	1285·0	1393
Males . . .	478	598	620	690	706	585	732	666	724	756	655·5	726
Females . .	459	561	634	647	707	550	745	581	704	707	629·5	667

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	June 4.	June 11.	June 18.	June 25.	July 2.	July 9.	July 16.	July 23.	July 30.	Aug. 6.	Aug. 13.	Aug. 20.	Aug. 27.
TOTAL Deaths	1232	1273	1292	1282	1359	1497	1498	1754	1700	1648	1494	1398	1393
Deaths under 5 years of age	482	542	544	575	682	813	765	966	989	913	830	759	688
Deaths 5—20	125	105	112	124	114	115	128	136	114	123	124	118	130
Deaths 20—40	206	208	177	173	161	171	188	193	167	192	151	167	182
Deaths 40—60	205	201	2·9	188	189	187	187	214	205	189	177	153	183
Deaths 60—80	176	186	208	184	183	177	178	195	186	195	175	160	174
Deaths at 80 years & upwards	38	31	42	38	30	34	52	50	39	36	37	41	36
Deaths from Small-pox	12	8	7	11	12	13	11	15	11	15	11	10	11
" " Measles	34	58	36	51	42	41	31	33	30	33	22	15	31
" " Scarlet Fever	91	103	100	95	80	104	85	130	100	114	118	126	108
" " Diphtheria	7	4	7	4	6	3	7	7	5	4	9	2	6
" " Whooping-cough	24	33	25	27	28	24	31	20	26	24	25	17	20
" " Typhus fever	3	4	16	7	8	9	14	10	8	10	12	7	2
" " Enteric (or Typhoid) fever	17	8	16	21	12	21	18	22	14	24	23	31	25
" " Simple Contag fever	14	14	15	6	7	11	7	14	9	9	9	12	9
" " Diarrhœa	22	34	56	86	192	258	259	385	371	385	289	248	202
" " Simple Cholera	1	1	—	2	12	10	22	31	46	32	25	9	19
" " Phthisis	173	181	161	145	149	141	142	148	158	170	153	169	147
" " Bronchitis	85	75	80	61	56	59	61	65	66	52	45	40	50
" " Pneumonia	57	61	50	48	41	43	34	43	38	28	38	31	32
" " Heart Disease	70	43	60	57	60	63	66	52	48	46	52	41	65
Mean Temperature of the Air	58·1	58·0	64·6	63·8	57·7	65·0	65·7	68·5	64·8	65·3	64·5	60·9	57·3
Mean Temperature of the Water of the Thames	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air	77	68	68	66	71	72	67	64	74	81	75	69	67
Rain-fall in inches	0·16	0·00	0·15	0·12	0·16	0·12	0·80	0·00	0·93	0·15	0·62	0·00	0·70

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarboton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., Jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 27th day of August 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 27th Aug.	DEATHS registered during the Week ending 27th Aug.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	Co me
Total of 20 TOWNS in the UNITED KINGDOM -	213,281	7,216,325	33·8	4736	3698	77·4	39·6	55·8	13·22	0·84	2
LONDON - - -	77,997	3,214,707	41·2	2006	1393	71·9	44·3	57·3	14·05	0·70	1
PORTSMOUTH - -	9,513	122,084	12·8	64	37	77·4	43·2	57·3	14·05	0·58	1
NORWICH - - -	7,472	81,087	10·9	45	60	66·9	45·5	64·5	18·05	0·60	1
BRISTOL - - -	4,688	171,332	36·6	108	87	69·6	42·4	55·4	13·00	1·21	3
WOLVERHAMPTON -	3,387	72,990	21·5	51	39	69·1	42·3	54·1	12·28	1·75	4
BIRMINGHAM - -	7,831	369,604	47·2	251	207	68·9	44·7	55·7	13·16	0·85	2
LEICESTER - - -	3,200	97,427	30·4	80	75	—	—	—	—	—	—
NOTTINGHAM - -	1,996	88,888	44·5	46	41	70·5	39·6	54·9	12·72	0·33	0
LIVERPOOL - - -	5,108	517,567	101·3	370	352	67·0	49·0	56·4	13·55	1·23	3
MANCHESTER - -	4,486	374,993	83·6	255	244	70·0	41·0	54·1	12·28	1·51	3
SALFORD - - -	5,172	121,580	23·5	101	61	70·0	40·0	53·2	11·78	1·68	4
BRADFORD - - -	6,590	143,197	21·7	85	96	66·6	45·0	54·9	12·72	0·68	1
LEEDS - - -	21,572	259,527	12·0	250	201	67·0	45·0	55·3	12·94	0·44	1
SHEFFIELD - - -	22,830	247,378	10·8	184	130	69·0	44·0	55·5	13·05	0·17	0
HULL - - -	3,562	130,869	36·7	94	86	—	—	—	—	—	—
SUNDERLAND - -	3,306	100,979	30·5	46	47	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,387	25·0	91	66	62·0	44·0	52·6	11·44	0·34	0
EDINBURGH - - -	4,427	178,970	40·4	119	70	64·7	46·0	54·5	12·50	0·60	1
GLASGOW - - -	5,063	468,189	92·5	366	267	70·5	42·7	55·5	13·05	0·62	1
DUBLIN - - -	9,745	321,540	33·0	124	139	71·1	39·8	57·4	14·11	1·00	2
PARIS - - -	7,802	1,889,842	242	—	1120	—	—	—	—	—	—
						Week ending 20th August 1870.					
VIENNA - - -	3,728*	622,087	167	Week ending 20 Aug. 1870.	Week ending 20 Aug. 1870.	—	—	60·8	16·00	—	—
						Week ending 25th August 1870.					
BERLIN - - -	6,253	800,000	128	Week ending 25 Aug. 1870.	Week ending 25 Aug. 1870.	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 27th day of August 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include										
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.
Total of 17 TOWNS -	27	3222	1225	442	14	46	193	17	44	113	762	77	135
LONDON - - -	23	1393	435	210	11	31	108	6	20	36	202	38	63
PORTSMOUTH - -	16	37	20	7	—	—	—	—	—	—	9	—	—
NORWICH - - -	39	60	21	9	—	—	10	—	1	1	21	3	4
BRISTOL - - -	26	87	29	7	—	—	23	—	—	3	18	—	2
WOLVERHAMPTON -	28	39	17	4	—	1	1	—	—	2	17	1	1
BIRMINGHAM - -	29	207	101	25	—	1	9	2	2	2	64	4	10
LEICESTER - - -	40	75	42	11	—	—	—	—	2	1	28	1	2
NOTTINGHAM - -	24	41	14	9	—	1	3	—	—	3	8	2	4
LIVERPOOL - - -	35	352	153	44	1	—	16	3	9	21	106	13	15
MANCHESTER - -	34	244	110	28	2	—	2	1	4	9	88	3	11
SALFORD - - -	26	61	26	9	—	—	—	—	1	3	22	1	1
BRADFORD - - -	35	96	44	10	—	4	2	1	—	5	30	2	2
LEEDS - - -	40	201	87	25	—	6	2	1	2	9	67	4	6
SHEFFIELD - - -	27	130	54	13	—	1	9	1	2	11	23	2	5
HULL - - -	34	86	37	10	—	—	7	—	—	3	31	2	3
SUNDERLAND - -	24	47	13	9	—	—	—	—	2	3	9	1	1
NEWCASTLE-ON-TYNE	26	66	22	12	—	1	1	—	1	1	14	—	5
DUBLIN - - -	23	139	33	32	—	—	7	—	2	8	19	4	2

TABLE 5.—DEATHS IN LONDON Registered in the THIRTY-FOURTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Thirty-fourth Week in the 10 years 1860-69.	In the Week ending Saturday, August 27, 1870.							CAUSES OF DEATH.		Averages of the Thirty-fourth Week in the 10 years 1860-69.	In the Week ending Saturday, August 27, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.	40.	60.	80.	and upwards.	ALL AGES.				Under 20.	40.	60.	80.	and upwards.		
Mean Temperature		60°6	Mean Tem. 87°3	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature		60°6	Mean Tem. 87°3	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES		1285°0	1393	688	130	182	183	174	36	9. Stricture of Intestines		°7	2	-	-	-	-	2	-
SPECIFIED CAUSES		1275°2	1386	684	130	181	181	174	36	10. Fistula		°4	1	-	-	-	1	1	1
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		°5	6	-	-	2	1	2	1
ORDER 1.										12. Pancreas Disease, &c.		°7	-	-	-	-	-	-	-
Small-pox		13°4	11	5	3	2	1	-	-	13. Hepatitis		°2	4	1	-	1	2	-	-
Measles		31°2	31	81	-	-	-	-	-	14. Jaundice		°0	10	5	-	3	-	1	1
Scarlet Fever (Scarlatina)		62°4	108	69	37	2	-	-	-	15. Liver Disease, &c.		°6	21	1	-	2	12	5	1
Diphtheria		9°0	6	4	2	-	-	-	-	16. Spleen Disease, &c.		°2	1	-	1	-	-	-	-
Quinsy		1°5	-	-	-	-	-	-	-	ORDER 5.									
Croup		11°2	14	13	1	-	-	-	-	1. Nephritis		°9	-	-	-	-	-	-	-
Whooping-cough		34°7	20	18	2	-	-	-	-	2. Ischuria		°2	-	-	-	-	-	-	-
Typhus		-	2	-	1	-	-	1	-	3. Bright's Disease (Nephria)		°0	10	-	-	3	7	-	-
Enteric or Typhoid Fever		47°7	25	3	8	8	5	1	-	4. Diabetes		°4	-	-	-	-	-	-	-
Simple continued Fever		4	9	1	4	3	1	-	-	5. Calculus (Stone)		°7	-	-	-	-	-	-	-
Erysipelas		3°9	7	1	2	1	1	2	-	6. Cystitis		°3	1	-	-	-	-	1	-
Puerperal Fever (Metria)		2°4	6	-	-	6	-	-	-	7. Kidney Disease, &c.		°6	9	-	1	-	4	4	-
Carbuncle		°8	-	-	-	-	-	-	-	ORDER 6.									
Influenza		°2	-	-	-	-	-	-	-	1. Ovarian Dropsy		°0	1	-	-	-	-	1	-
Dysentery		°9	-	-	-	-	-	-	-	2. Uterus Disease, &c.		°7	4	-	-	-	2	2	-
Diarrhoea		161°2	202	182	1	8	1	11	4	ORDER 7.									
Simple Cholera		37°4	19	14	2	-	2	1	-	1. Synovitis (Arthritis)		°2	1	-	-	1	-	-	-
Ague		°1	-	-	-	-	-	-	-	2. Joint Disease, &c.		°6	5	-	1	4	-	-	-
Remittent Fever		°9	1	-	1	-	-	-	-	ORDER 8.									
Rheumatism		°4	3	-	-	1	2	-	-	1. Phlegmon		°6	2	-	-	1	1	-	-
Other Zymotic Diseases		°3	-	-	-	-	-	-	-	2. Ulcer		°7	2	-	-	-	1	1	-
ORDER 2.										3. Skin Disease, &c.		°1	1	1	-	-	-	-	-
Syphilis		7°0	17	13	-	1	3	-	-	IV. DEVELOPMENTAL DISEASES.									
Stricture of Urethra		°6	1	-	-	1	-	-	-	ORDER 1.									
Hydrophobia		-	-	-	-	-	-	-	-	1. Premature Birth		18°8	20	20	-	-	-	-	-
Glanders		°1	-	-	-	-	-	-	-	2. Cyanosis		°1	2	2	-	-	-	-	-
ORDER 3.										3. Spina Bifida		°5	3	3	-	-	-	-	-
Privation		°5	-	-	-	-	-	-	-	4. Other Malformations		°3	2	2	-	-	-	-	-
Want of Breast-milk		11°2	19	19	-	-	-	-	-	5. Teething		13°3	14	14	-	-	-	-	-
Purpura and Scoury		1°9	3	-	-	1	1	1	-	ORDER 2.									
Alco- | a Del. Tremens		2°6	1	-	-	1	-	-	-	1. Paramenia		°1	-	-	-	-	-	-	-
holism | b Intemperance		1°0	3	-	-	3	-	-	-	2. Childbirth (see Puer- peral Fever)		°4	3	-	-	3	-	-	-
ORDER 4.										ORDER 3.									
Thrush		4°4	5	5	-	-	-	-	-	1. Old Age		89°3	44	-	-	-	-	23	21
Worms, &c.		°1	-	-	-	-	-	-	-	ORDER 4.									
CONSTITUTIONAL DIS.										1. Atrophy and Debility		72°1	85	81	1	-	2	1	-
ORDER 1.										V. VIOLENT DEATHS, &c.									
Gout		1°0	3	-	-	-	1	2	-	ORDER 1.									
Dropsy		10°4	6	-	1	1	3	1	-	(ACCIDENT OR NEGLIGENCE.)									
Cancer		25°4	34	1	1	2	18	11	1	1. Fractures and Contusions		19°6	16	2	1	4	3	6	-
Cancerum Oris (Noma)		°7	-	-	-	-	-	-	-	2. Wounds		°4	1	1	-	1	-	-	-
Mortification		1°8	1	1	-	-	-	-	-	3. Burns and Scalds		°9	2	1	-	1	-	-	-
ORDER 2.										4. Poison		°8	-	-	-	-	-	-	-
Scrofula		9°0	11	4	3	4	-	-	-	5. Drowning		°2	6	-	2	-	3	1	-
Tabes Mesenterica		29°0	30	27	3	-	-	-	-	6. Suffocation		°2	5	5	-	-	-	-	-
Phthisis		144°7	14	17	67	39	9	1	-	7. Otherwise		°6	6	-	2	4	-	-	-
Hydrocephalus		25°0	15	13	2	-	-	-	-	ORDER 3.									
II. LOCAL DISEASES.										(HOMICIDE.)									
ORDER 1.										1. Murder and Manslaughter		2°8	1	-	-	1	-	-	-
Cephalitis		13°4	21	14	4	3	-	-	-	ORDER 4.									
Apoplexy		29°4	37	6	-	5	4	21	1	(SUICIDE.)									
Paralysis		23°0	27	-	-	1	9	16	1	1. Wounds { Gunshot Cut, Stab		°3	1	-	-	-	1	-	-
Insanity		1°6	5	-	-	2	2	1	-	2. Poison		°9	-	-	-	-	-	-	-
Chorea		°1	1	-	1	-	-	-	-	3. Drowning		°5	-	-	-	-	-	-	-
Epilepsy		5°5	4	-	-	3	-	1	-	4. Hanging		°3	-	-	-	-	-	-	-
Convulsions		41°0	42	41	1	-	-	-	-	5. Otherwise		°5	-	-	-	-	-	-	-
Brain Disease, &c.		15°8	12	2	2	1	4	2	1	ORDER 5.									
ORDER 2.										(EXECUTION.)									
Pericarditis		1°6	3	-	-	1	2	-	-	1. Hanging		-	-	-	-	-	-	-	-
Aneurism		2°2	2	-	-	2	-	-	-	Violent Deaths (not classed)		°5	-	-	-	-	-	-	-
Heart Disease, &c.		42°9	65	1	8	14	17	24	1	Sudden Deaths (Cause un- ascertained)		1°9	2	-	-	1	1	-	-
ORDER 3.										Causes not specified or ill- defined		7°9	5	4	-	-	1	-	-
Laryngitis		4°0	-	-	-	-	-	-	-										
Bronchitis		82°6	50	24	2	-	11	12	1										
Pleurisy		2°3	4	1	1	2	-	-	-										
Pneumonia		38°6	32	15	6	6	4	-	1										
Asthma		3°9	2	-	-	-	1	1	-										
Lung Disease, &c.		7°3	3	-	-	1	-	2	-										
ORDER 4.																			
Gastritis		2°2	3	1	1	1	-	2	-										
Enteritis		5°6	4	1	1	-	-	-	-										
Peritonitis		5°7	4	1	2	-	1	-	-										
Ascites		2°0	2	-	-	-	1	-	-										
Ulceration of Intestines		2°2	5	-	-	1	4	-	-										
Hernia		2°8	2	-	-	-	-	2	-										
Ileus		2°4	2	-	1	-	1	-	-										
Intussusception		°8	2	1	-	1	-	-	-										

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															
REGISTRARS' SUB-DISTRICTS.					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.		
LONDON		2,803,959	2006	1393	435	210	11	31	108	6	20	2	25	9	202	38	63	227		
WEST DISTRICTS		453,125	300	219	61	33	1	6	22	1	4	-	1	1	29	5	7	4		
NORTH DISTRICTS		618,210	439	305	97	45	6	9	25	2	6	1	8	3	40	1	-	58		
CENTRAL DISTRICTS		383,321	192	152	47	14	-	4	13	1	3	-	4	1	16	2	8	31		
EAST DISTRICTS		571,158	437	328	105	48	3	4	17	-	5	-	4	4	19	36	55	-		
SOUTH DISTRICTS		773,175	618	389	125	65	1	8	31	2	2	1	8	-	64	11	12	40		
WEST DISTRICTS.																				
St. Mary Paddington WH		39015	35	21	3	4	-	2	2	-	-	-	-	-	-	-	-	2		
St. John Paddington H		36769	17	12	1	4	-	-	-	-	-	-	-	-	2	4	3	5		
Kensington Town W		51910	49	29	10	4	-	1	3	-	-	-	1	1	6	-	-	5		
Brompton H		18198	10	13	4	2	-	1	2	-	1	-	-	-	1	-	-	3		
St. Peter Hammersmith		5415	3	3	-	-	-	-	1	-	-	-	-	-	1	-	-	-		
St. Paul Hammersmith H		19194	31	13	2	1	-	1	1	-	-	-	-	-	2	-	-	-		
Fulham W		15589	18	8	4	1	-	-	-	-	-	-	-	-	-	-	-	2		
Chelsea South H		21654	13	11	4	2	-	-	1	-	-	-	-	-	6	-	-	1		
Chelsea North-west HW		19899	17	24	6	8	-	-	4	-	-	-	-	-	2	-	-	10		
Chelsea North-east		21886	8	7	4	-	-	-	-	-	-	-	-	-	2	-	-	-		
Hanover Square		19773	6	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
May Fair W		12885	3	5	-	1	-	-	-	-	-	-	-	-	-	-	-	3		
Belgrave H		55113	23	22	3	5	-	1	3	-	-	-	-	-	2	1	1	6		
St. John Westminster H		37483	26	14	7	1	1	-	2	1	-	-	-	-	-	-	-	1		
St. Margaret Westminster WH		30730	15	17	5	1	-	-	-	-	2	-	-	-	-	-	-	5		
St. James's Square		10753	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Golden Square W		13966	7	6	2	-	-	-	1	-	-	-	-	-	2	-	-	-		
Berwick-street		10607	6	4	2	1	-	-	1	-	-	-	-	-	2	-	-	-		
St. Anne Soho		17426	12	5	3	-	-	-	-	-	-	-	-	-	1	-	-	-		
NORTH DISTRICTS.																				
All Souls Marylebone H		29952	19	16	2	5	-	-	2	-	2	-	1	-	1	-	-	5		
Cavendish Square		15090	10	6	-	1	-	-	-	-	-	-	1	-	-	-	-	-		
Rectory Marylebone W		26692	21	15	5	3	-	1	-	-	-	-	-	-	2	-	-	7		
St. Mary Marylebone H		22493	8	9	3	2	-	-	-	-	-	-	1	-	-	-	-	-		
Christchurch Marylebone		34913	13	12	4	-	-	2	1	-	1	-	-	-	1	-	-	-		
St. John Marylebone		32540	20	11	7	2	-	-	1	-	-	-	1	-	3	-	-	-		
Hampstead WH		19106	14	5	1	1	-	-	-	-	-	-	-	-	2	-	-	1		
Regent's Park Pancras		34927	22	12	3	-	-	1	2	-	-	-	-	-	1	2	-	-		
Tottenham-court WH		29571	11	11	3	1	-	-	-	-	-	-	-	-	-	-	-	4		
Gray's Inn Lane H		27693	17	9	-	1	-	-	-	-	-	-	-	-	-	-	-	3		
Somers Town		39099	28	18	6	2	-	-	3	1	-	-	-	-	3	-	-	-		
Camden Town W		23263	11	10	4	2	-	-	-	-	-	-	-	-	-	-	-	5		
Kentish Town		44317	37	25	8	4	-	-	3	-	-	-	-	-	1	4	-	-		
Islington West* WHH		75442	64	58	19	10	5	2	6	-	1	1	2	1	7	-	-	22		
Islington East Ww		79899	87	49	18	5	1	2	4	1	1	1	2	1	6	-	-	1		
Stoke Newington		6606	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Stamford Hill		5483	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
West Hackney		24265	23	7	4	-	-	1	-	-	-	-	-	-	3	1	-	-		
Hackney WH		31481	28	20	7	3	-	-	1	-	1	-	-	-	2	-	-	10		
South Hackney L		16438	18	9	2	3	-	-	-	-	-	-	-	-	2	-	-	-		
CENTRAL DISTRICTS.																				
St. George Bloomsbury		17892	7	4	2	-	-	-	-	-	-	-	-	-	-	1	-	-		
St. Giles South WH		19483	19	19	6	3	-	-	-	-	-	-	-	-	2	3	-	5		
St. Giles North		17201	12	9	5	-	-	1	1	-	-	-	-	-	3	1	2	-		
Long Acre		11618	7	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
Charing Cross WH		11071	4	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-		
St. Mary-le-Strand		10946	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
St. Clement Danes H		15207	5	5	1	-	-	-	2	-	-	-	-	-	1	-	-	-		
St. George-the-Martyr H		19903	7	10	2	1	-	-	2	1	-	-	-	-	-	-	1	6		
St. Andrew East Holborn W		12947	6	4	1	-	-	-	-	-	-	-	-	-	-	-	-	3		
Saffron Hill		12012	6	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell W		19132	9	10	2	1	-	1	-	-	-	2	1	-	1	-	-	3		
Arnwell Clerkenwell		17250	16	7	2	-	-	-	2	-	1	-	-	-	-	-	-	-		
Pentonville		13079	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Goswell-street		16200	8	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
Old-street		11594	10	5	2	-	-	1	-	-	1	-	-	-	2	-	-	-		
City-road HL		17860	10	9	2	2	-	-	1	-	-	-	-	-	1	1	1	-		
Whitecross-street		14773	12	10	4	-	-	1	-	-	-	-	1	-	-	-	2	-		
Finsbury		12931	9	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph East London		20990	10	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate		18697	8	9	3	3	-	-	-	-	-	-	-	-	1	-	-	-		
St. Sepulchre WH		11750	3	15	1	1	-	-	-	-	-	-	1	-	2	-	1	13		
St. Bride W		15395	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Castle Baynard		7762	1	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-		
Christchurch		9020	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Quehithe		8570	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Allhallows Barking		8559	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
Broad Street		11544	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :			
St. Geo. Hanover Sq. Workh.	is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.	
The Strand	" " " " Tottenham-court sub-district.	London City	" " " " Mile End Old Town Eastern sub-dist. and
London City	" " " " Islington East.	Stepney	" " " " Bow sub-district.
Do. do.	" " " " Hackney sub-district.		" " " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 27th August, 1870.

[Under the Superintendence of the Astronomer Royal.]

Under the superintendence of the Hydrographic Office.

READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
MOON.		BARO-METER.		DRY.				WET.		In the Water of Greenwich, by self-registering Thermometers.		Between Dew Point and Air Temperature.		Between mean temperature of the day and mean temperature of the same day, on an average, of 50 years.*		As deduced from Anemometers.				Collected in a Gauge whose surface is 5 in. above the ground.		(Ozone.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Phases of Moon.		Mean daily reading (corrected to 32° Fahr. height).		High-est.		Low-est.		Range in day.		Mean daily value.		Mean daily value.		Greatest.		Least.		Mean of 24 Obs.		Robertson's Amount of Horizontal Movement of Air in each day.		Pressure on square foot being received above the surface.		Amount of Movement of Air in each day.		Direction.		General Direction.		P.M.		A.M.		Great-est.		Least.		Mean of 24 Obs.		Inches.		Miles.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.	

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's first glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of correction tables, by James Glaisher, F.R.S., from five years' observations ending 1845, December 31. See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometer readings are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. Fourth edition. The results for mean daily temperature of the air at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air at the Observatory, Greenwich, in the 50 years ending 1863, December 31, taken at the Royal Observatory, Greenwich, is 50.0° F. In reading the 7th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 29.48 in. at the beginning of the week to 30.03 in. by noon on the 21st; decreased to 29.64 in. by 9h. A.M. on the 23d; increased to 29.74 in. by 9h. P.M. on the same day; decreased to 29.69 in. by noon on the 24th; increased to 29.78 in. by noon on the 25th; decreased to 29.64 in. by 9h. A.M. on the 26th; increased to 29.73 in. by 9h. A.M. on the 27th; and was 29.71 in. by the end of the week.

SKY AND ATMOSPHERE.

A fine day; partially cloudy.

Fog prevailed during the early morning hours; partially cloudy, but fine and clear throughout the remainder of the day. Rain fell heavily at night.

A fine day; generally cloudy and hazy.

A shower of rain fell about 5h. A.M.; after this it was fine; generally cloudy till evening, then cloudless.

A fine day; a variable amount of cloud prevailed till evening, cloudless afterwards.

Generally cloudy throughout the day; cloudless at night. Fine.

Very hazy and slightly foggy throughout the morning; fine, and partially cloudy till evening; overcast at night, and rain fell.

ELECTRICITY.

The electrical apparatus was under repair throughout the week.

DATE.

AUGUST.

SUNDAY . 21

MONDAY . 22

TUESDAY . 23

WEDNESDAY . 24

THURSDAY . 25

FRIDAY . 26

SATURDAY . 27

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

~~~~~  
By Authority of the Registrar General.  
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PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 35. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, SEPTEMBER 3. [Price 1d.

*General Register Office, Somerset House,
5th September 1870.*

DURING the week ending Saturday the 3d instant, 4669 *births* and 3557 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 26 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the four preceding weeks was 28 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow:—Liverpool 36 per 1000, Bradford 27, Manchester 29, Salford 34, London 23, Birmingham 22, Newcastle-upon-Tyne 29, Leeds 32, Portsmouth 15, Sheffield 27, Hull 28, Wolverhampton 26, Bristol 32, Nottingham 27, Sunderland 19, Leicester 28, Norwich 23. Scarlet fever caused more than a fourth of the total mortality in Bristol last week; in Liverpool scarlet fever, whooping cough, and fever accounted for 67 out of 361 deaths; in Sheffield the deaths from fever have latterly been increasing, and last week they numbered 17 out of 129 deaths from all causes.

In Edinburgh the annual rate of mortality last week was 26 per 1000 persons living, in Glasgow 26 per 1000, and in Dublin 23.

In Paris the deaths registered during the week ending last Saturday were at the annual rate of 32 per 1000 persons living: the reported deaths from small-pox were 148, against 99 in the preceding week. In Vienna the annual rate of mortality during the week ending the 27th ultimo was 31 per 1000. In the City of Bombay the deaths registered during the week ending 9th August were 295, and the mortality was at the annual rate of 19 per 1000; the mean ratio of mortality in the corresponding week of five previous years was also 19 per 1000.

In LONDON the *births* of 1043 boys and 1012 girls, in all 2055 children, were registered last week. The *deaths* registered in the same time were 1426. During the corresponding weeks of ten previous years the registered births averaged 1929, and the deaths 1265 per week; after making due allowance for increase of population, the average for the past week is estimated at 2122 births and 1391 deaths; the registered births, therefore, were 67 below, and the deaths 35 above, the estimated average.

Zymotic diseases caused 440 deaths, including 9 from small-pox, 19 from measles, 129 from scarlet fever, 5 from diphtheria, 10 from croup, 21 from whooping-cough, 3 from typhus, 29 from enteric (or typhoid) fever, 7 from simple continued fever, 7 from erysipelas, and 156 from diarrhoea.

From "simple cholera" and choleraic diarrhoea 5 deaths were registered.

The fatality of diarrhoea is rapidly declining, while scarlet fever appears to be more than maintaining the ground it has held for a considerable time in the Metropolis.

Fifty-six deaths resulted from violence: of these 43 were accidental, including 22 by fractures, 6 by drowning, and 3 (infants) by suffocation. Eight suicides were registered.

A girl, aged 9 years, and a brickmaker, aged 62 years, both died on 31st August, of sunstroke. A carpenter's daughter, aged 4 years, died on 1st September, at Fulham workhouse, of "starvation by neglect of parents."

Nine fatal accidents caused by horses or vehicles in the streets were returned last week :

ST. GEORGE'S; *St. Margaret*.—At Westminster Hospital, on 28th August, a bricklayer, aged 61 years, "exhaustion from compound fracture of leg and thigh, accidentally run over by a Hansom cab (7 weeks)." (*Inquest*.)

ISLINGTON; *West*.—At the Great Northern Hospital, on 24th August, a cab driver, aged 33 years, "exhaustion and delirium after fracture of the leg by a fall from a cab." (*Inquest*.)

At the same Hospital, on 26th August, a plumber and glazier, aged 72 years, "shock from injuries by a cab passing over the body." (*Inquest*.)

CITY OF LONDON; *St. Sepulchre*.—At 24 Hosier Lane, on 25th August, a whip maker, aged 57 years, "disease of kidneys, accelerated by injury to bladder from being thrown out of a chaise at Southwark-street; Pyæmia. *Post mort.*" (*Inquest*.)

ST. GEORGE-IN-THE-EAST; *St. Paul*.—At 21 Ann-street, on 1st September, the daughter of a painter, aged 23 months, "violent sloughing from an injury to scalp, accidentally run against by a four-wheeled van." (*Inquest*.)

POPULAR; *Bow*.—At 2 Alfred-terrace, Bow, on 23rd August, the son of an engine driver, aged 8 years, "fractured skull, run over accidentally by a four-wheeled trolley." (*Inquest*.)

In the same sub-district.—At 4 Clarendon-cottages, Bow, on 25th August, the son of a sawyer, aged 10 years, "rupture of bowels, run over by a four-wheeled trolley." *Post mort.* (*Inquest*.)

ST. OLAVE, SOUTHWARK; *St. Olave*.—At Guy's Hospital, on 18th August, a hawker, aged 70 years, "fracture of right arm and thigh by being run over by a Hansom cab at Southwark-street." (*Inquest*.)

At the same Hospital, on 24th August, the son of a leather dresser, aged 4 years, "fracture of skull by a loaded cart going over it at Crucifix-lane. (Found to be dead on his arrival)." (*Inquest*.)

The number of fatal street accidents returned during the 35 weeks of the present year is 122, while, all other things being equal, the experience of former years rendered it probable that 152 fatal cases would have occurred in that time; the actual number has therefore fallen short of the probable number by 30.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 29·662 in.; the highest was 30·12 in. on Wednesday, and the lowest was 29·26 in. on Sunday. The mean temperature of the *air* was 57°·7, or 1°·5 below the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 72°·6 on Sunday and Thursday; the lowest night temperature was 41°·0 on Wednesday; the entire range of temperature in the week was, therefore, 31°·6. The highest temperature in the sun was 139°·5 on Thursday. The mean temperature was below the average on every day in the week, with the exception of Thursday and Friday. The difference between the mean *dew-point* temperature and *air* temperature was 8°·0. The mean degree of *humidity* of the air was 75, complete saturation being represented by 100. *Rain* fell on Sunday, Friday, and Saturday, to the amount of 0·64 in. The general direction of the *wind* was S.W., and N.W.; and the horizontal movement of the air amounted to 13 miles per hour.

The rain-fall at Greenwich during the 31 days of August amounted to 2·0 in., the average fall for the same month in 54 years having been 2·4 in. The total fall during the eight completed months of this year has been 9·3 in., as compared with a 54 years' average of 15·9 in. for the same period.

The mean temperature of the week in the other large English towns furnishing returns ranged from 53°·2 in Newcastle-upon-Tyne to 56°·3 in Nottingham; the lowest recorded night temperature was 32°·2 (?) in Portsmouth, and the highest day temperature in the shade was 76°·2 in Portsmouth. Rain fell to the extent of 1·88 in. at Newcastle-upon-Tyne; in the other towns quantities varying from 0·98 in. at Bradford to 0·20 in. at Wolverhampton were measured.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 14°·3; the highest day temperature in the shade was 22°·6; the lowest night temperature was 5°·0; the highest temperature in the sun was 59°·7. The mean temperature of the week on an average of 50 years was 15°·1, or 0°·8 above the temperature of last week. The wind blew at the rate of 21 kilometers an hour, and the rain-fall was 1·62 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 216,974 cubic metres, and at Barking 195,039 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTY-FIFTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1849	1725	1852	1705	1867	2019	1780	2085	2247	2156	1928·5	2055
Males . .	944	874	912	865	970	1002	881	1034	1121	1128	973·1	1043
Females .	905	851	940	840	897	1017	899	1051	1126	1028	955·4	1012
TOTAL Deaths	1018	1127	1147	1334	1441	1131	1413	1288	1356	1391	1264·6	1426
Males	523	577	609	667	711	556	704	671	682	748	644·8	740
Females	495	550	538	667	730	575	709	617	674	643	619·8	686

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	June 11.	June 18.	June 25.	July 2.	July 9.	July 16.	July 23.	July 30.	Aug. 6.	Aug. 13.	Aug. 20.	Aug. 27.	Sept. 3.
TOTAL Deaths - - -	1273	1292	1282	1359	1497	1498	1754	1700	1648	1494	1398	1393	1426
Deaths under 5 years of age -	542	544	575	682	813	765	966	989	913	830	759	688	642
Deaths 5-20 - - -	105	112	124	114	115	128	136	114	123	124	118	130	152
Deaths 20-40 - - -	208	177	173	161	171	188	193	167	192	151	167	182	186
Deaths 40-60 - - -	201	209	188	189	187	187	214	205	189	177	153	183	201
Deaths 60-80 - - -	186	208	184	183	177	178	195	186	195	175	160	174	199
Deaths at 80 years & upwards	31	42	38	30	34	52	50	39	36	37	41	36	46
Deaths from Smallpox - -	8	7	11	12	13	11	15	11	15	11	10	11	9
" Measles - - -	53	36	51	42	41	31	33	30	33	22	15	31	19
" Scarlet Fever -	103	100	95	80	104	85	130	100	114	118	126	108	129
" Diphtheria - -	4	7	4	6	3	7	5	4	9	2	6	5	
" Whooping-cough -	33	25	27	28	24	31	20	26	24	25	17	20	21
" Typhus fever - -	4	16	7	8	9	14	10	8	10	12	7	2	3
" Enteric (or Typhoid) fever -	8	16	21	12	21	18	22	14	24	23	31	25	29
" Simple Cont'd fever -	14	15	6	7	11	7	14	9	9	9	12	9	7
" Diarrhoea - - -	34	56	86	192	258	259	385	371	385	289	248	202	156
" Simple Cholera -	1	—	2	12	10	22	31	46	32	25	9	19	5
" Phthisis - - -	181	161	145	149	141	142	148	158	170	153	169	147	163
" Bronchitis - - -	75	80	61	56	59	61	65	66	52	45	40	50	71
" Pneumonia - - -	61	50	48	41	43	34	43	38	28	38	31	32	44
" Heart Disease -	43	60	57	60	63	66	52	48	46	52	41	65	54
Mean Temperature of the Air	58·0	64·6	63·8	57·7	65·0	65·7	68·5	64·8	65·3	64·5	60·9	57·3	57·7
Mean Temperature of the Water of the Thames -	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	68	68	66	71	72	67	64	74	81	75	69	67	75
Rain-fall in inches - - -	0·00	0·15	0·12	0·16	0·12	0·80	0·00	0·93	0·15	0·62	0·00	0·70	0·64

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Bilson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. Melandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 3d day of September 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 3d Sept.	DEATHS registered during the Week ending 3d Sept.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Cent metre.
Total of 20 TOWNS in the UNITED KINGDOM . . .	213,281	7,216,325	33·8	4669	3557	76·2	32·2(P)	55·2	12·89	0·83	2·1
LONDON	77,997	3,214,707	41·2	2055	1426	72·6	41·0	57·7	14·28	0·64	1·6
PORTSMOUTH	9,513	122,084	12·8	67	36	76·2	32·2(P)	55·2	12·89	0·42	1·0
NORWICH	7,472	81,087	10·9	33	36	69·5	42·5	55·8	13·22	0·70	1·7
BRISTOL	4,688	171,382	36·6	114	106	70·0	42·1	56·1	13·39	0·61	1·5
WOLVERHAMPTON . .	3,387	72,990	21·5	59	36	70·5	41·7	55·4	13·00	0·20	0·5
BIRMINGHAM	7,831	369,604	47·2	245	159	70·3	45·0	56·2	13·44	0·78	1·9
LEICESTER	3,200	97,427	30·4	59	52	—	—	—	—	—	—
NOTTINGHAM	1,996	88,888	44·5	51	46	72·0	40·5	56·3	13·50	0·88	2·2
LIVERPOOL	5,108	517,567	101·3	355	361	67·3	49·5	55·5	13·05	0·57	1·4
MANCHESTER	4,486	374,993	83·6	282	210	70·0	38·0	55·5	13·05	0·51	1·3
SALFORD	5,172	121,580	23·5	88	80	68·4	38·3	54·2	12·33	0·45	1·1
BRADFORD	6,590	143,197	21·7	102	75	66·3	43·0	54·7	12·61	0·98	2·4
LEEDS	21,572	259,527	12·0	198	153	69·0	44·0	55·1	12·83	0·88	2·2
SHEFFIELD	22,830	247,378	10·8	157	129	69·0	44·0	55·4	13·00	0·87	2·2
HULL	3,562	130,869	36·7	72	70	69·0	38·0	53·9	12·17	0·34	0·8
SUNDERLAND	3,306	100,979	30·5	86	38	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	86	75	64·0	44·0	53·2	11·78	1·88	4·7
EDINBURGH	4,427	178,970	40·4	129	88	64·7	43·0	54·4	12·44	0·90	2·2
GLASGOW	5,063	468,189	92·5	299	237	63·8	39·2	53·0	11·67	1·84	4·6
DUBLIN	9,745	321,540	33·0	132	141	72·9	40·0	55·6	13·11	1·44	3·6
PARIS	7,802	1,889,842	242	—	1159	—	—	—	—	—	—
VIENNA	3,728*	622,087	167	Week ending 27 Aug. 1870.	Week ending 27 Aug. 1870. 369	—	—	59·0	15·00	—	—
BERLIN	6,253	800,000	128	Week ending 1 Sept. 1870.	Week ending 1 Sept. 1870.	—	—	—	Week ending 1st September 1870.	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 3d day of September 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small- pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Houses.
Total of 17 TOWNS -	26	3091	1023	459	13	28	231	13	60	131	538	102	151	36
LONDON	23	1426	389	245	9	19	129	5	21	39	156	56	80	22
PORTSMOUTH	15	36	12	5	—	—	—	1	1	—	11	1	3	—
NORWICH	23	36	14	12	—	—	1	1	—	3	6	—	1	—
BRISTOL	32	106	24	14	—	1	29	—	—	5	13	3	4	—
WOLVERHAMPTON . .	26	36	11	7	—	—	—	—	—	2	7	3	3	—
BIRMINGHAM	22	159	64	20	—	—	11	1	2	11	33	7	11	1
LEICESTER	23	52	17	6	—	—	3	—	1	3	18	—	—	—
NOTTINGHAM	27	46	20	8	—	1	3	—	—	1	11	—	1	—
LIVERPOOL	36	361	163	34	2	1	26	3	23	18	89	11	15	3
MANCHESTER	29	210	73	29	—	—	6	—	2	9	46	6	12	2
SALFORD	34	80	24	10	1	—	—	—	—	5	18	1	3	3
BRADFORD	27	75	29	10	—	2	2	1	—	4	20	1	1	—
LEEDS	32	158	61	17	—	4	4	—	3	10	45	6	8	1
SHEFFIELD	27	129	46	20	—	—	6	—	3	17	18	3	3	1
HULL	28	70	31	5	—	—	10	1	1	2	21	3	4	—
SUNDERLAND	19	36	11	5	—	—	1	—	2	—	9	—	1	—
NEWCASTLE-ON-TYNE	29	75	34	12	1	—	—	—	1	2	17	1	1	—
DUBLIN	23	141	39	24	—	2	7	1	2	6	24	2	3	—

TABLE 5.—DEATHS in LONDON Registered in the THIRTY-FIFTH Week of the Year 1870.

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON		2,803,989	2055	1426	389	245	9	19	129	5	21	3	29	7	156	56	80	221	
WEST DISTRICTS		458,125	301	226	66	38	-	6	30	-	2	-	3	-	24	7	12	28	
NORTH DISTRICTS		618,210	468	336	81	62	-	4	37	3	5	3	14	1	32	18	31	52	
CENTRAL DISTRICTS		383,321	179	143	36	23	-	3	6	1	2	-	1	1	6	4	6	26	
EAST DISTRICTS		571,153	472	305	94	49	6	4	16	-	5	-	4	2	41	14	18	63	
SOUTH DISTRICTS		773,175	635	426	112	73	3	2	40	1	7	-	7	3	53	13	13	52	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	30	16	7	3	-	-	3	-	1	-	-	-	1	-	-	3	
St. John Paddington H		36769	18	8	1	1	-	-	-	-	-	-	-	-	-	-	-	1	
Kenington Town W		51910	45	34	7	9	-	-	6	-	-	-	1	-	5	-	2	1	
Brompton H		18138	15	8	2	1	-	2	-	-	-	-	-	1	-	-	-	1	
St. Peter Hammersmith		5415	7	7	3	-	-	1	2	-	-	-	-	-	1	1	-	-	
St. Paul Hammersmith H		19104	24	14	4	3	-	-	3	-	-	-	-	2	-	2	-	-	
Fulham W		15539	17	12	2	2	-	1	1	-	-	-	-	1	1	-	-	3	
Chelsea South H		21654	11	10	4	1	-	-	2	-	-	1	-	1	-	-	-	-	
Chelsea North-west HW		19899	11	8	3	-	-	-	3	-	-	-	-	2	-	-	-	-	
Chelsea North-east		21886	18	8	5	1	-	-	-	-	-	-	-	2	-	-	-	-	
Hanover Square		19773	9	7	1	-	-	1	2	-	-	-	-	1	-	-	-	-	
May Fair W		12885	4	5	1	-	-	-	1	-	1	-	-	-	-	-	-	-	
Belgrave H		53113	27	17	3	2	-	-	-	-	1	-	-	-	-	-	-	-	
St. John Westminster H		37483	19	24	10	2	-	-	1	-	-	-	-	3	1	1	6	1	
St. Margaret Westminster WH		30730	21	20	5	6	-	-	1	-	-	-	-	1	3	5	7	1	
St. James's Square		10753	1	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		13966	12	12	5	3	-	1	-	-	-	-	-	-	-	-	-	6	
Berwick-street		10607	3	3	-	1	-	-	1	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17426	9	9	3	1	-	-	-	-	-	1	-	1	1	1	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	23	21	4	4	-	-	2	-	-	-	-	-	2	2	2	5	
Avenish Square		15490	6	4	-	-	-	-	1	-	-	-	-	-	-	-	-	14	
Rectory Marylebone W		26392	17	19	3	6	-	-	1	-	-	-	-	-	-	-	-	-	
St. Mary Marylebone H		22493	15	9	4	-	-	-	-	-	1	-	1	-	1	-	-	-	
Christchurch Marylebone		34913	23	13	3	-	-	-	1	-	1	-	-	-	1	1	2	-	
St. John Marylebone		32540	15	13	5	2	-	-	3	-	-	-	-	2	-	-	-	-	
Hampstead WH		19106	25	8	-	3	-	-	-	1	-	-	-	-	2	-	-	-	
Regent's Park Paneras		34927	22	12	6	3	-	1	-	-	-	1	-	3	-	-	-	-	
Tottenham-court WH		29371	17	15	5	3	-	-	-	-	1	-	-	3	-	1	6	-	
Gray's Inn Lane H		27598	13	9	2	2	-	-	1	-	-	-	-	2	2	-	2	-	
Somers Town		39099	28	30	6	1	-	1	5	1	-	2	-	2	-	1	-	-	
Camden Town W		23656	15	15	2	6	-	-	9	-	-	-	-	2	4	7	7	-	
Kentish Town		44317	32	32	8	7	-	1	8	-	-	-	-	3	-	2	-	-	
Islington West* WHH		75442	54	44	6	5	-	2	4	1	-	3	8	-	2	5	8	12	
Islington East W		79329	58	44	15	8	-	4	-	-	-	-	-	5	-	4	2	-	
Stoke Newington		698	4	6	1	4	-	-	-	-	-	-	-	-	-	1	-	-	
Stanford Hill		5483	5	2	1	-	-	-	-	-	-	-	1	-	-	1	2	-	
West Hackney		24285	19	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hackney WHW		81481	31	16	4	6	-	-	1	-	2	-	1	-	2	-	1	4	
South Hackney L		15458	16	9	3	2	-	-	-	-	-	-	-	-	1	1	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	11	6	2	2	-	1	-	-	-	-	-	-	-	-	-	-	
St. Giles South WH		19483	9	6	5	3	-	-	-	-	-	-	-	-	1	-	-	4	
St. Giles North		17201	15	10	5	3	-	1	-	-	-	-	-	-	-	-	-	-	
Long Acre		11613	8	5	1	1	-	-	-	-	-	-	-	1	-	-	-	-	
Charing Cross WH		11071	6	10	2	2	-	-	-	-	-	-	-	-	-	-	1	6	
St. Mary-le-Strand		10346	4	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		13207	7	10	4	-	-	-	1	1	-	1	-	-	-	-	1	3	
St. George-the-Martyr H		19903	4	8	2	-	-	-	2	-	-	-	-	-	-	-	-	-	
St. Andrew East Holborn W		12947	8	10	1	3	-	-	-	-	-	1	1	-	1	2	4	-	
Saffron Hill		12012	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W		19152	10	9	4	2	-	-	-	-	-	-	-	1	-	-	-	-	
Anwell Clerkenwell		17250	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pentonville		13079	12	4	2	-	-	1	-	-	-	-	-	1	-	-	-	-	
Goswell-street		16200	7	5	1	1	-	1	-	-	-	-	-	-	-	-	-	-	
Old-street		11504	13	5	1	-	-	-	-	-	1	-	-	-	-	-	-	1	
City-road HL		17860	12	6	3	-	-	-	2	-	-	-	-	1	-	-	-	-	
Whitecross-street		14778	8	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Finsbury		12931	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph East London		20990	6	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate		19637	7	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH		11750	1	10	-	-	-	-	-	-	-	-	1	-	-	1	1	8	
St. Bride W		15395	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard		7732	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	4	3	-	2	-	-	-	-	-	-	-	-	-	1	1	-	
Albhallows Barking		8659	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, MEASLES, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 3d September 1870.

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
REGISTRARS' SUB-DISTRICTS.					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	E-teric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
FAST DISTRICTS.																		
Holywell Shoreditch	-	17313	8	3	-	1	-	-	-	-	-	-	-	-	1	-	-	-
St. Leonard Shoreditch	L†	19188	21	8	3	-	-	-	-	-	-	-	-	-	4	-	-	1
Hoxton New Town	W	26516	29	16	9	4	-	2	-	-	-	-	-	-	-	-	-	-
Hoxton Old Town	-	27777	30	8	1	1	-	-	-	-	-	-	-	-	-	-	-	4
Jaggerstone West	W	23260	12	9	-	2	-	1	-	-	-	-	1	-	-	-	-	-
Jaggerstone East	-	17310	13	7	2	2	-	-	-	-	-	-	-	-	2	-	-	2
Hackney-road	-	26298	29	14	5	1	1	2	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green	WHL†	31789	25	20	4	4	1	1	2	-	-	-	1	-	2	-	-	-
Church, Bethnal Green	†	25523	17	12	6	1	-	-	-	-	-	-	-	-	4	-	-	6
Town, Bethnal Green	-	21486	10	7	-	-	1	-	-	-	-	-	-	-	2	-	1	-
Artillery Whitechapel	-	6557	6	3	2	1	-	-	-	-	-	-	-	-	-	1	1	-
Spitalfields	-	15700	14	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Mile End New Town	W	13392	14	12	4	3	-	-	-	-	-	-	-	-	-	1	1	-
Whitechapel North	-	12122	8	6	3	1	-	-	-	-	-	-	-	-	-	1	1	6
Whitechapel Church	H	8062	10	25	8	4	-	-	-	1	-	-	-	-	1	-	1	1
Goodman's Fields	-	11166	6	2	-	-	-	-	-	-	-	-	-	-	-	1	3	17
Aldgate	-	9971	3	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
St. Mary St. George East	-	18181	12	8	5	-	1	-	-	-	-	-	-	-	2	-	-	-
St. Paul St. George East	-	21015	18	4	1	-	-	-	-	-	-	-	-	-	2	1	1	-
St. John St. George East	W	9636	4	9	1	2	-	-	-	-	-	-	-	-	-	-	-	7
Shadwell W	-	12387	7	4	-	1	-	-	-	-	-	-	-	1	-	-	-	-
Ratcliff WH	-	16874	10	8	3	-	-	-	-	1	-	-	1	-	2	-	1	-
Lincolns Wharf	W	27161	24	11	4	-	1	1	2	-	-	-	-	-	1	-	-	-
Mile End Old Town West	-	33747	81	13	5	3	-	-	-	-	-	-	1	-	1	-	-	-
Mile End Old Town East	Ww	39317	40	31	7	5	2	-	5	-	-	-	1	-	2	-	-	4
Low Ww Lt	-	55667	49	44	15	9	-	-	-	-	-	-	-	-	-	-	-	-
Poplar W	-	43529	51	18	6	5	-	1	2	-	1	-	-	-	7	4	5	12
SOUTH DISTRICTS.																		
Christchurch Southwark	W	17069	10	7	-	2	-	-	1	-	-	-	-	-	2	-	-	3
St. Saviour Southwark H	-	19101	8	6	2	1	-	-	-	-	1	-	-	-	-	-	-	-
Kent-road	-	19052	18	6	3	-	-	-	-	-	-	-	-	-	1	-	-	-
Borough-road W	-	16668	14	6	2	-	-	-	-	1	-	-	1	-	1	-	-	2
London-road L	-	19190	15	10	1	1	-	-	2	-	-	-	-	-	1	-	1	-
Trinity Newington	-	22875	19	11	3	2	-	-	1	-	2	-	-	-	-	-	-	-
St. Peter Walworth W	-	44468	38	18	4	3	-	1	-	-	-	-	1	-	3	-	-	-
St. Mary Newington H	-	15082	7	16	2	2	-	-	-	-	-	1	1	-	-	-	-	8
St. Olave Southwark H	-	7683	-	15	-	4	-	-	-	-	-	-	-	-	-	4	5	11
St. John Horsleydown W	-	11383	7	7	-	1	-	-	-	-	-	-	-	-	-	1	1	-
Leather Market	-	16896	13	7	-	1	-	-	1	-	-	-	-	-	1	-	-	-
St. Mary Magdalen W	-	16505	10	15	4	4	2	-	-	-	-	-	-	-	3	-	-	2
St. James Bermondsey	-	25154	32	12	9	1	-	1	-	-	-	-	-	-	2	1	1	-
Otherbithe W	-	24502	15	10	3	3	-	-	-	-	-	-	-	-	1	2	2	-
Vatloo-road 1st	-	18369	5	6	1	1	-	-	3	-	1	-	-	-	-	-	-	-
Vatloo-road 2nd H	-	18640	17	7	-	-	-	-	1	-	-	-	-	-	1	-	-	-
Lambeth Church 1st	-	19839	15	10	2	2	-	-	-	-	-	-	2	-	1	-	-	-
Lambeth Church 2nd W	-	29542	26	25	7	5	-	-	5	-	-	-	-	-	2	-	-	5
Kennington 1st	-	30785	33	27	6	5	-	-	6	-	-	-	-	-	4	-	-	-
Kennington 2nd	-	20440	10	10	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Frixton	-	20067	24	12	3	2	-	-	1	-	-	-	-	-	1	1	1	-
Forwood W	-	7462	8	6	3	-	-	-	-	-	1	-	-	-	2	-	-	2
Clapham	-	20894	23	12	5	3	-	-	-	-	-	-	1	-	1	-	-	-
Battersea W	-	19600	38	25	10	4	-	-	5	-	-	-	-	-	4	-	-	1
Fandsworth L	-	13946	11	11	3	2	-	-	2	-	-	-	-	-	3	-	-	-
Putney	-	6481	5	3	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Streatham	-	10082	4	2	-	1	-	-	-	-	-	-	-	-	1	-	-	-
Bulwich	-	1723	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell W Lt Lt†	-	21297	21	17	3	4	-	-	-	-	-	-	1	-	2	1	1	9
Beckham W	-	28135	27	14	6	3	-	-	3	-	-	-	-	-	4	-	-	-
St. George Camberwell	-	20833	24	12	4	2	-	-	1	-	-	-	-	-	1	-	-	-
St. Paul Deptford	-	37354	33	22	11	4	1	-	-	-	-	-	-	-	4	1	1	-
St. Nicholas Deptford	-	8139	2	3	-	-	-	-	1	-	-	-	-	-	1	-	-	-
Greenwich West H	-	21696	12	11	5	-	-	-	3	-	-	-	-	-	2	-	-	-
Greenwich East WH	-	18306	16	8	-	3	-	-	1	-	-	-	-	-	1	1	-	4
Waltham	-	3009	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich	-	11003	8	2	1	1	-	-	-	-	-	-	-	-	1	-	-	-
Woolwich Village W	-	7372	5	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich Arsenal	-	10595	17	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich Dockyard H	-	9276	4	6	-	-	-	-	-	-	-	-	-	-	-	1	-	4
Woolwich Arsenal H	-	22919	9	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich Arsenal H	-	18776	8	8	1	1	-	-	-	-	-	-	1	-	1	-	-	-
Woolwich Arsenal H	-	8	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich Arsenal H	-	24502	10	6	1	-	-	-	-	-	-	-	-	-	1	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea	London sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand	Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and Bow sub-district.
London City	Islington East.	Stepney " " Bow sub-district.
Do. do.	Hackney sub-district.	

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 3d SEPTEMBER, 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BAROMETER.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.		RAIN.			
Phases of Moon.	MONTH AND DAY.	Mean reading (corrected to 32° Fahr., height).	Dry.	High-est.	Low-est.	Range in day.	Mean daily value.	Dew Point.	Highest in the sun, as self-reg-istering thermometer with blackened bulb in vacuo, placed in the Grass.	Lowest in the sun, as self-reg-istering thermometer with blackened bulb in vacuo, placed in the Grass.	In the Water of the Thames at Greenwich, by self-registering Thermometers	Between Dew Point and Air Temperature		Between mean tem-perature of the day and the temperature of the water of the Thames at the same day, by 100, on an average of 50 years.*	Degree of the mid-ity, complete being represented by 100.	As deduced from Anemometers.			Collected in a Gauge whose surface horizontal of Air, each day.				
												Mean daily value.	Great-est.			P.M.	Great-est.	Least.		Mean of 24 hrs.			
																					A.M.	Pressure on square foot	Amount of Movement of Air
AUGUST.																							
..	28	..	29.302	72.6	53.2	19.4	59.7	53.7	125.7	52.3	..	..	0	0	81	SW & WSW.	WNW.	22.9	0.4	2.2	550	0.55	5
In Equator	29	..	29.697	65.8	49.6	16.2	56.6	43.2	117.3	43.0	..	..	0	0	61	NNW.	NW.	6.0	0.0	0.7	353	0.00	..
..	30	..	30.022	65.1	42.5	22.6	53.8	45.8	115.7	31.0	..	..	0	0	74	W. by S, NW, & N.	N.	1.1	0.0	0.1	191	0.00	..
..	31	..	30.044	69.0	41.0	28.0	55.1	47.3	119.7	36.0	..	..	0	0	75	WSW.	W. & SW.	1.9	0.0	0.1	173	0.00	1
SEPTEMBER.																							
1	THURSDAY.	..	29.741	72.6	44.9	27.7	59.4	49.4	139.5	35.2	..	..	0	0	70	SSW & SW.	SSW.	3.3	0.0	0.5	283	0.00	2
2	FRIDAY . .	First Qr.	29.348	71.4	56.5	14.9	60.9	56.4	100.7	50.5	..	..	0	0	85	SSW.	SW.	14.3	0.0	0.8	387	0.01	6
3	SATURDAY.	..	29.481	64.8	54.2	10.6	58.2	52.0	72.2	48.0	..	..	0	0	80	SW & WSW.	NW.	1.9	0.0	0.2	273	0.08	0
MEANS . .		..	29.662	68.8	48.8	19.9	57.7	49.7	113.0	42.3	..	..	0	0	75	SW. & NW.		..	..	..	Sum 2215	0.64	2.8
No. of Columns		8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

ELECTRICITY.

SKY AND ATMOSPHERE.

NOTES.

Overcast throughout the morning, and heavy showers of rain fell frequently; partially cloudy during the remainder of the day.

A fine day; light clouds prevailed till evening; cloudless at night. Lightning was seen after 10h. P.M.

A fine day; light clouds and haze prevailed.

In the early morning hours the sky was cloudless, but slight fog prevailed; afterwards a very light fog was prevalent till evening, then cloudless. A fine day.

A fine day; cloudless throughout the morning; partially cloudy afterwards. Very hazy at night.

Overcast during the morning, and rain fell occasionally between 9h. A.M. and noon; very fine after noon; partially cloudy till evening, then cloudless. Lightning was seen at night.

Generally cloudy. Rain fell heavily between 11h. A.M. and noon, accompanied by thunder. At night the sky was cloudless, and an aurora borealis was seen for some minutes at 10h. P.M. The magnets were disturbed.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced from James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part I, 1848. The mean daily wet point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is determined by Mr. Glaisher from the thermometer observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1883, December 31.

* In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," at the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.71 in. at the beginning of the week to 29.26 in. by 1h. P.M. on the 28th; increased to 30.12 in. by 9h. A.M. on the 31st of August; decreased to 29.32 in. by 3h. P.M. on the 2d of September; increased to 29.36 in. by 9h. P.M. on the same day; decreased to 29.32 in. by 9h. A.M. on the 3d; and increased to 29.70 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 36. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, SEPTEMBER 10. [Price 1d.

*General Register Office, Somerset House,
12th September 1870.*

DURING the week ending Saturday the 10th instant, 4514 *births* and 3417 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 25 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the four preceding weeks was 27 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow:—Liverpool 37 per 1000, Bradford 33, Manchester 27, Salford 24, London 21, Birmingham 21, Newcastle-upon-Tyne 29, Leeds 32, Portsmouth 23, Sheffield 26, Hull 26, Wolverhampton 18, Bristol 33, Nottingham 22, Sunderland 16, Leicester 30, Norwich 26.

Scarlet fever caused 276 deaths last week in the 17 towns, against 231 and 193 in the two preceding weeks: the increase occurred principally in London, Birmingham, and Liverpool; in Bristol the fatal cases were rather less than in the previous week, although they still constituted nearly a fourth of the total mortality. Fever is also on the increase in several of the towns, especially in Liverpool, Bradford, Leeds, and Sheffield.

In Edinburgh the annual rate of mortality last week was 29 per 1000 persons living, in Glasgow 24 per 1000, and in Dublin 26.

In Paris the deaths registered during the week ending last Saturday were at the annual rate of 27 per 1000 persons living: the reported deaths from small-pox were 116, as compared with 148 in the preceding week. In Vienna the annual rate of mortality during the week ending the 3d instant, was 26 per 1000. In the City of Bombay the deaths registered during the week ending 16th August were 288 (exclusive of 5 still-born), and the mortality was at the annual rate of 18 per 1000.

In LONDON the *births* of 1003 boys and 881 girls, in all 1884 children, were registered last week. The *deaths* registered in the same time were 1322. During the corresponding weeks of ten previous years the registered births averaged 1911, and the deaths 1260 per week; after making due allowance for increase of population, the average for the past week is estimated at 2102 births and 1386 deaths; the registered births, therefore, were 218, and the deaths 64, below the estimated average.

Zymotic diseases caused 442 deaths, including 12 from small-pox, 16 from measles, 165 from scarlet fever, 6 from diphtheria, 10 from croup, 15 from whooping-cough, 6 from typhus, 18 from enteric (or typhoid) fever, 15 from simple continued fever, 1 from relapsing fever, 7 from erysipelas, and 130 from diarrhoea.

From "simple cholera" and choleraic diarrhoea 3 deaths were registered, making altogether 216 deaths so returned since the week ending 18th June.

Diarrhoea continues to decline in fatality, the deaths from that cause last week being only one third of the number recorded a few weeks since. Scarlet fever, on the other hand, caused more deaths last week than in any week since the middle of last December: during the last four weeks the mortality from this disease has been at the rate of 2.9 deaths annually per 1000 of the population in the West Districts, 2.3 in the Northern, 1.9 in the Central, 1.1 in the Eastern, and 2.3 in the Southern Districts. The Western Districts continue to be the chief sufferers by this epidemic, and next to them the Northern and Southern Districts.

Sixty-one deaths resulted from violence : of these 49 were accidental, including 16 by fractures, 5 by burns or scalds, 13 by drowning, and 6 (infants) by suffocation. Eight suicides were registered.

A horsekeeper, aged 56 years, died on 5th instant at Guy's Hospital, of "glanders caught while attending a diseased horse at the stable of the Brighton and South Coast Railway." (*Post mort. Inquest.*)

A needlewoman, aged 50 years, died on 7th instant at Pancras Workhouse, of "fracture of both legs by being run over by a van in the street."

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow :—Mean reading of the *barometer* 29·476 in. ; the highest was 29·90 in. on Sunday evening, and the lowest was 29·16 in. on Wednesday. The mean temperature of the *air* was 57°·0, or 0°·9 below the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 71°·4 on Friday ; the lowest night temperature was 44°·7 on Sunday ; the entire range of temperature in the week was, therefore, 26°·7. The highest temperature in the sun was 124°·4 on Friday. The mean temperature was 2° above the average on Monday and Friday, below on the other days. The difference between the mean *dew-point* temperature and *air* temperature was 5°·5. The mean degree of *humidity* of the air was 82, complete saturation being represented by 100. *Rain* fell on five days in the week to the amount of 1·33 in. The general direction of the *wind* was W.S.W., S.W., and S.S.W., and the horizontal movement of the air amounted to 15·4 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 53°·3 in Newcastle-upon-Tyne, to 56°·5 in Nottingham ; the lowest recorded night temperature was 38°·4 in Portsmouth, and the highest day temperature in the shade was 74°·6 in Portsmouth. Rain fell in all the towns, the largest quantities measured being 1·61 in. at Portsmouth, 1·46 in. at Bristol, 1·16 in. at Manchester, and 1·15 in. at Liverpool.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 13°·9 ; the highest day temperature in the shade was 21°·9 ; the lowest night temperature was 7°·1 ; the highest temperature in the sun was 51°·3. The mean temperature of the week on an average of 50 years was 14°·4, or 0°·5 above the temperature of last week. The wind blew at the rate of 24·6 kilometers an hour, and the rain-fall was 3·38 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 245,919 cubic metres, and at Barking 220,474 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTY-SIXTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1747	1768	1827	1863	1939	1905	1903	2038	1995	2127	1911·4	1884
Males . . .	887	871	922	925	954	973	967	1064	991	1069	962·3	1003
Females . .	860	897	905	938	985	932	938	974	1004	1058	949·1	881
TOTAL Deaths	968	1121	1179	1232	1352	1179	1335	1283	1352	1601	1260·2	1322
Males . . .	503	555	635	629	689	595	648	657	684	773	636·8	687
Females . .	465	566	544	603	663	584	687	626	668	828	623·4	635

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	June 18.	June 25.	July 2.	July 9.	July 16.	July 23.	July 30.	Aug. 6.	Aug. 13.	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.
TOTAL Deaths	1292	1282	1359	1497	1498	1754	1700	1648	1494	1398	1393	1426	1322
Deaths under 5 years of age	514	575	692	813	765	966	989	913	830	759	688	642	564
Deaths 5—20	112	124	114	115	128	136	114	123	124	118	130	152	150
Deaths 20—40	177	173	161	171	188	193	167	192	151	167	182	186	213
Deaths 40—60	2·9	188	189	187	187	214	205	189	177	153	183	201	189
Deaths 60—80	208	184	183	177	178	195	186	195	175	160	174	199	167
Deaths at 80 years & upwards	42	38	30	34	52	50	39	36	37	41	36	46	39
Deaths from Small-pox	7	11	12	13	11	15	11	15	11	10	11	9	12
" " Measles	36	51	42	41	31	33	30	33	22	15	31	19	16
" " Scarlet Fever	100	95	80	104	85	130	100	114	118	126	108	129	165
" " Diphtheria	7	4	6	3	7	7	5	4	9	2	6	5	6
" " Whooping-cough	25	27	23	24	31	20	26	24	25	17	20	21	15
" " Typhus fever	16	7	8	9	14	10	8	10	12	7	2	3	6
" " Enteric (or Ty- phoid) fever	16	21	12	21	18	22	14	24	23	31	25	29	18
" " Simple Contag. fever	15	6	7	11	7	14	9	9	9	12	9	7	16
" " Diarrhœa	56	86	192	258	259	385	371	385	289	248	202	156	130
" " Simple Cholera	—	2	12	10	22	31	46	32	25	9	19	5	3
" " Phthisis	161	145	149	141	142	148	153	170	153	169	147	163	163
" " Bronchitis	80	61	56	59	61	65	66	52	45	40	50	71	55
" " Pneumonia	50	48	41	43	34	43	38	28	38	31	32	44	37
" " Heart Disease	60	57	60	63	66	52	48	46	52	41	65	54	44
Mean Temperature of the Air	64·6	63·8	57·7	65·0	65·7	68·5	64·8	65·3	64·5	60·9	57·3	57·7	57·0
Mean Temperature of the Water of the Thames	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air	68	66	71	72	67	64	74	81	75	69	67	75	82
Rain-fall in inches	0·15	0·12	0·16	0·12	0·80	0·00	0·93	0·15	0·62	0·00	0·70	0·64	1·33

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1861 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Bilson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 10th day of September 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 10th Sept.	DEATHS registered during the Week ending 10th Sept.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	4514	3417	74·6	38·4	55·4	13·00	0·87	2·21
LONDON - - -	77,997	3,214,707	41·2	1884	1322	71·4	44·7	57·0	13·89	1·33	3·88
PORTSMOUTH - - -	9,513	122,084	12·8	60	53	74·6	38·4	55·9	13·28	1·61	4·09
NORWICH - - -	7,472	81,087	10·9	41	40	69·5	43·3	55·7	13·16	0·93	2·37
BRISTOL - - -	4,688	171,382	36·6	122	109	67·6	46·9	55·9	13·28	1·46	3·71
WOLVERHAMPTON - - -	3,887	72,990	21·5	62	25	68·3	42·2	55·3	12·94	0·26	0·66
BIRMINGHAM - - -	7,881	369,604	47·2	230	146	69·3	44·2	56·2	13·44	0·41	1·05
LEICESTER - - -	3,200	97,427	30·4	61	56	70·5	42·2	56·0	13·33	0·77	1·96
NOTTINGHAM - - -	1,996	88,888	44·5	40	38	70·8	42·9	56·5	13·61	0·52	1·32
LIVERPOOL - - -	5,108	517,567	101·3	351	371	67·6	47·1	55·5	13·05	1·15	2·92
MANCHESTER - - -	4,486	374,993	83·6	243	193	70·2	41·5	54·7	12·61	1·16	2·94
SALFORD - - -	5,172	121,580	23·5	77	55	69·9	41·6	54·5	12·60	0·99	2·52
BRADFORD - - -	6,690	143,197	21·7	100	90	66·5	46·6	55·8	13·22	0·39	0·99
LEEDS - - -	21,572	259,527	12·0	183	157	69·0	44·0	56·3	13·50	0·49	1·25
SHEFFIELD - - -	22,880	247,378	10·8	147	124	68·0	42·5	55·2	12·89	0·84	2·13
HULL - - -	3,562	130,869	36·7	73	65	68·0	40·0	53·4	11·89	0·71	1·81
SUNDERLAND - - -	3,306	100,979	30·5	50	31	—	—	—	—	—	—
NEWCASTLE-ON-TYNE - - -	5,336	133,367	25·0	128	78	66·0	45·0	53·3	11·84	0·29	0·74
EDINBURGH - - -	4,427	178,970	40·4	136	100	64·7	42·0	54·1	12·28	0·90	2·29
GLASGOW - - -	5,063	468,189	92·5	369	211	64·0	44·4	53·8	12·11	1·62	4·11
DUBLIN - - -	9,745	321,540	33·0	157	158	68·7	41·0	57·1	13·94	0·66	1·67
PARIS - - -	7,802	1,889,842	242	—	981	—	—	—	—	—	—
				Week ending 3d Sept. 1870.	Week ending 3d Sept. 1870.	Week ending 3d September 1870.					
VIENNA - - -	3,728*	622,087	167	—	315	—	—	56·8	13·75	—	—
				Week ending 8 Sept. 1870.	Week ending 8 Sept. 1870.	Week ending 8th September 1870.					
BERLIN - - -	6,253	800,000	128	—	—	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 10th day of September 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	20 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public.	
Total of 17 TOWNS -	25	2948	848	454	14	33	276	11	23	146	435	109	166	35	
LONDON - - -	21	1322	301	206	12	16	165	6	15	40	130	61	90	197	
PORTSMOUTH - - -	23	53	12	16	-	-	3	1	-	5	4	-	-	11	
NORWICH - - -	26	40	13	11	-	1	3	-	-	2	9	-	-	4	
BRISTOL - - -	33	109	34	10	-	-	25	-	-	3	17	4	7	9	
WOLVERHAMPTON - - -	18	25	11	2	-	-	1	-	-	-	11	-	-	2	
BIRMINGHAM - - -	21	146	54	17	-	-	15	1	-	6	30	9	15	6	
LEICESTER - - -	30	56	26	8	-	-	4	-	-	-	12	1	1	-	
NOTTINGHAM - - -	22	38	8	10	-	1	2	-	-	2	5	-	-	-	
LIVERPOOL - - -	37	371	145	59	1	4	34	-	5	21	62	17	23	51	
MANCHESTER - - -	27	193	60	23	1	1	1	1	-	10	49	3	11	24	
SALFORD - - -	24	55	19	5	-	-	1	-	-	4	13	1	3	-	
BRADFORD - - -	33	90	22	14	-	1	4	1	-	9	14	5	5	6	
LEEDS - - -	32	157	58	22	-	4	2	-	1	15	36	2	4	14	
SHEFFIELD - - -	26	124	32	16	-	4	6	1	-	21	16	1	2	6	
HULL - - -	26	65	23	13	-	-	5	-	-	4	17	1	1	-	
SUNDERLAND - - -	16	31	9	10	-	-	-	-	-	-	4	-	-	3	
NEWCASTLE-ON-TYNE - - -	29	73	21	12	-	1	5	-	2	4	6	4	4	8	
DUBLIN - - -	26	158	34	27	-	2	13	-	5	7	25	2	-	31	

TABLE 5.—DEATHS in LONDON Registered in the THIRTY-SIXTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Thirty-sixth Week in the 10 years 1860-69.	In the Week ending Saturday, September 10, 1870.							CAUSES OF DEATH.		Averages of the Thirty-sixth Week in the 10 years 1860-69.	In the Week ending Saturday, September 10, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.	40. 20 and under	60. 40 and under	80. 60 and under	80 Years and upwards.	ALL AGES.				Under 20.	40. 20 and under	60. 40 and under	80. 60 and under	80 Years and upwards.		
Mean Temperature	61.2	Mean Tem. 67.0	0-5. 5-20.	20 and under	40 and under	60 and under	80 Years and upwards.	Mean Temperature	61.2	Mean Tem. 67.0	0-5. 5-20.	20 and under	40 and under	60 and under	80 Years and upwards.				
ALL CAUSES	1260.2	1322	564	150	213	189	167	39	9. Stricture of Intestines	6	1	-	1	-	-	-			
SPECIFIED CAUSES	1250.0	1315	561	149	212	188	166	39	10. Fistula	5	1	-	1	-	-	-			
ZYMOTIC DISEASES.									11. Stomach Disease, &c.	5.3	11	1	-	4	5	-			
ORDER 1.									12. Pancreas Disease, &c.	-	-	-	-	-	-	-			
Small-pox	11.4	12	7	4	1	-	-		13. Hepatitis	2.6	3	-	-	2	1	-			
Measles	27.4	16	16	-	-	-	-		14. Jaundice	4.8	2	2	-	-	-	-			
Scarlet Fever (Scarlatina)	73.0	165	110	47	8	-	-		15. Liver Disease, &c.	16.1	24	-	6	14	3	1			
Diphtheria	9.4	6	1	4	2	-	-		16. Spleen Disease, &c.	3	-	-	-	-	-	-			
Quinsy	1.1	-	-	-	-	-	-		ORDER 5.										
Croup	11.6	10	10	-	-	-	-		1. Nephritis	1.2	4	2	2	-	-	-			
Whooping-cough	33.8	15	15	-	-	-	-		2. Ischuria	.7	1	-	-	-	1	-			
Typhus	-	6	-	3	2	1	-		3. Bright's Disease (Nephria)	8.6	7	-	1	3	2	1			
Euteric or Typhoid Fever	48.1	18	3	7	3	4	1		4. Diabetes	1.0	2	-	-	2	-	-			
Simple continued Fever	-	7	2	6	4	3	1		5. Calculus (Stone)	.8	-	-	-	-	-	-			
Erysipelas	5.8	10	6	-	-	-	-		6. Cystitis	1.4	1	-	-	-	-	-			
Puerperal Fever (Metria)	2.8	1	-	-	1	-	5		7. Kidney Disease, &c.	6.2	4	-	2	-	2	-			
Carbuncle	.8	1	-	-	1	-	-		ORDER 6.										
Influenza	.1	-	-	-	-	-	-		1. Ovarian Dropsy	.7	2	-	-	1	-	1			
Dysentery	3.0	5	1	1	-	1	2		2. Uterus Disease, &c.	2.7	2	-	2	-	-	-			
Diarrhoea	132.3	139	117	2	1	1	2		ORDER 7.										
Simple Cholera	24.0	3	2	1	-	-	-		1. Synovitis (Arthritis)	-	-	-	-	-	-	-			
Ague	.6	-	-	-	-	-	-		2. Joint Disease, &c.	4.4	6	-	5	1	-	-			
Remittent Fever	1.1	-	-	-	-	-	-		ORDER 8.										
Rheumatism	6.6	5	-	1	4	-	-		1. Phlegmon	2.0	3	1	2	-	-	-			
Other Zymotic Diseases	.2	-	-	-	-	-	-		2. Ulcer	1.3	1	-	-	-	1	-			
ORDER 2.									3. Skin Disease, &c.	1.8	-	-	-	-	-	-			
Syphilis	6.2	10	8	1	1	-	-		IV. DEVELOPMENTAL										
Stricture of Urethra	.10	2	-	-	-	-	2		DISEASES.										
Hydrophobia	.1	-	-	-	-	-	-		ORDER 1.										
Glanders	.1	1	-	-	-	1	-		1. Premature Birth	19.4	16	16	-	-	-	-			
ORDER 3.									2. Cyanosis	1.9	1	1	-	-	-	-			
Privation	.5	-	-	-	-	-	-		3. Spina Bifida	.9	-	-	-	-	-	-			
Want of Breast-milk	10.8	7	7	-	-	-	-		4. Other Malformations	1.7	1	1	-	-	-	-			
Purpura and Scoury	1.7	-	-	-	-	-	-		5. Teething	11.1	5	5	-	-	-	-			
Alco-ja Del Tremens	2.5	-	-	-	-	-	-		ORDER 2.										
Alism 6 Intemperance	.9	2	-	2	-	-	-		1. Paramenia	-	-	-	-	-	-	-			
ORDER 4.									2. Childbirth (see Puer- peral Fever)	5.2	14	-	1	10	3	-			
Thrush	5.6	3	3	-	-	-	-		ORDER 3.										
Worms, &c.	.1	-	-	-	-	-	-		1. Old Age	38.1	41	-	-	-	10	22			
CONSTITUTIONAL DIS.									ORDER 4.										
ORDER 1.									1. Atrophy and Debility	77.9	52	45	-	1	6	-			
Gout	3.1	4	-	-	3	1	-		V. VIOLENT DEATHS, &c.										
Dropsy	12.1	14	2	2	-	4	5	1	ORDER 1.										
Cancer	24.9	23	-	3	13	6	1		(ACCIDENT OR NEGLIGENCE.)										
Carcinoma Oris (Noma)	.8	-	-	-	-	-	-		1. Fractures and Contusions	14.1	16	1	1	5	6	3			
Mortification	2.9	6	-	-	1	3	2		2. Wounds	1.0	1	-	-	-	-	-			
ORDER 2.									3. Burns and Scalds	4.1	5	2	2	1	-	-			
Scorfula	8.4	11	9	1	-	1	-		4. Poison	.8	1	-	1	-	-	-			
Tabes Mesenterica	28.9	37	35	2	-	-	-		5. Drowning	6.7	13	1	6	4	2	-			
Phtisis	149.0	163	2	20	93	44	4		6. Suffocation	5.5	6	6	-	-	-	-			
Hydrocephalus	25.4	25	22	3	-	-	-		7. Otherwise	2.0	7	2	2	2	-	1			
I. LOCAL DISEASES.									ORDER 3.										
ORDER 1.									(HOMICIDE.)										
Cephalitis	10.7	17	10	1	3	1	2		1. Murder and Manslaughter	2.4	3	3	-	-	-	-			
Apoplexy	31.0	35	3	2	4	15	10	1	ORDER 4.										
Paralysis	25.1	22	-	-	1	4	12	5	(SUICIDE.)										
Insanity	.8	7	-	-	4	3	-		1. Wounds (Gunshot Cut, Stab)	.1	-	-	-	1	-	-			
Chorea	.2	1	-	1	-	-	-		2. Poison	1.2	2	-	-	1	-	-			
Epilepsy	6.1	8	-	-	4	3	1		3. Drowning	1.0	2	-	-	-	-	-			
Convulsions	39.6	35	35	-	-	-	-		4. Hanging	1.1	3	-	-	2	1	-			
Brain Disease, &c.	15.0	14	4	1	2	4	3		5. Otherwise	.8	-	-	-	-	-	-			
ORDER 2.									ORDER 5.										
Pericarditis	1.4	2	-	-	-	2	-		(EXECUTION.)										
Aneurism	2.4	1	-	-	-	1	-		1. Hanging	.1	-	-	-	-	-	-			
Heart Disease, &c.	45.3	44	1	8	10	11	13	1	Violent Deaths (not classed)	.4	1	-	-	1	-	-			
ORDER 3.									Sudden Deaths (Cause un- ascertained)	2.3	3	1	1	-	1	-			
Laryngitis	4.0	2	1	-	-	1	-		Causes not specified or ill- defined	7.9	4	2	-	1	1	-			
Bronchitis	53.5	55	17	1	3	11	10	4											
Pleurisy	1.9	1	-	-	1	-	-												
Pneumonia	42.3	37	18	4	6	4	4	1											
Asthma	3.5	6	-	-	1	5	-												
Lung Disease, &c.	9.3	12	2	1	3	3	3												
ORDER 4.																			
Gastritis	1.4	-	-	-	1	-	-												
Enteritis	5.5	5	4	-	1	-	-												
Peritonitis	4.7	2	-	1	1	-	-												
Ascites	2.7	7	1	1	-	2	3												
Ulceration of Intestines	2.9	3	-	1	-	2	-												
Hernia	2.3	4	-	-	1	2	1												
Hæmorrhage	2.2	3	1	-	-	2	-												
Intussusception	.9	-	-	-	-	-	-												

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Insti- tutions.
REGISTRARS' SUB-DISTRICTS.																		
LONDON		2,803,989	1884	1322	361	206	12	16	165	6	15	6	18	16	130	61	90	107
WEST DISTRICTS		458,125	310	194	38	37	-	3	31	1	-	-	5	2	17	3	6	12
NORTH DISTRICTS		618,210	423	303	65	49	3	3	43	2	3	3	4	4	27	12	25	48
CENTRAL DISTRICTS		383,221	203	183	21	17	2	5	16	-	-	-	2	1	5	7	8	28
EAST DISTRICTS		571,158	403	274	73	42	6	3	14	1	2	3	4	6	38	13	19	43
SOUTH DISTRICTS		773,175	545	418	104	61	1	2	61	2	10	-	3	3	43	23	32	43
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	30	23	7	5	-	-	3	-	-	-	-	-	2	-	1	12
St. John Paddington H		36769	11	9	-	-	-	-	3	-	-	-	-	-	2	-	2	2
Kensington Town W		51910	53	28	9	4	-	-	4	-	-	-	-	1	4	-	-	3
Brompton H		18198	11	6	1	1	-	-	-	-	-	-	-	-	-	-	-	3
St. Peter Hammersmith		5415	6	6	-	1	-	-	-	-	-	-	-	-	-	-	-	1
St. Paul Hammersmith H		19104	27	11	3	1	-	-	2	-	-	-	-	-	3	-	1	-
Fulham W		15539	15	7	1	3	-	-	-	-	-	-	1	1	-	-	-	1
Chelsea South H		21654	13	7	1	2	-	-	1	-	-	-	-	-	1	-	-	-
Chelsea North-west HW		19899	23	12	2	1	-	1	4	-	-	-	-	-	1	-	-	-
Chelsea North-east		21886	5	5	2	1	-	-	1	-	-	-	-	-	1	-	-	-
Hanover Square		19773	7	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
May Fair W		12885	6	9	-	4	-	-	-	-	-	-	-	-	-	-	-	4
Belgrave H		55113	21	23	3	3	-	-	3	-	-	-	-	-	1	1	1	7
St. John Westminster H		37483	25	13	5	-	-	1	1	-	-	-	1	-	1	-	1	1
St. Margaret Westminster WH		30730	31	15	-	6	-	-	2	-	-	-	-	2	-	-	8	-
St. James's Square		10753	3	2	-	1	-	-	-	1	-	-	-	-	-	-	-	-
Golden Square W		12396	5	9	1	3	-	-	-	-	-	-	-	-	-	-	2	-
Berkwick-street		10607	10	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Anne Soho		17423	8	6	3	1	-	-	1	-	-	-	-	-	1	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	16	9	-	1	-	-	2	-	-	-	-	-	-	1	-	3
Cavendish Square		15090	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W		26692	15	25	4	5	-	-	1	1	1	-	-	2	1	2	13	-
St. Mary Marylebone H		22493	8	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch Marylebone		34913	22	23	2	4	-	-	1	-	-	-	-	1	2	1	5	-
St. John Marylebone		32540	21	7	1	2	-	-	1	-	-	-	-	-	-	-	-	-
Hamstead WH		19103	9	6	2	-	-	-	1	-	-	-	-	-	-	-	-	-
Regent's Park Pancras		34997	23	11	2	2	-	-	2	-	-	-	-	-	1	1	1	-
Tottenham-court WH		29371	16	14	2	1	-	-	4	-	-	-	-	1	1	1	5	-
Gray's Inn Lane H		27808	14	16	3	5	-	-	1	-	-	-	-	-	1	1	2	3
Somers Town		30099	14	21	4	5	-	-	6	-	-	-	1	-	1	1	1	-
Camden Town W		23266	14	9	1	3	-	-	-	-	-	-	-	1	1	2	6	-
Kentish Town		44317	42	22	4	3	-	-	7	-	1	-	1	1	-	2	6	-
Islington West WHH		75442	60	55	12	2	3	3	11	-	3	2	1	5	2	3	13	2
Islington East WH		79899	76	32	13	4	-	-	4	1	1	3	2	4	-	-	-	-
Stoke Newington		6603	5	3	1	2	-	-	-	-	-	-	-	-	-	-	-	1
Stamford Hill		5433	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney		24265	16	13	-	3	-	-	1	-	-	-	-	2	-	-	1	-
Hackney WH		31451	29	20	9	4	-	-	-	-	-	-	-	-	-	-	1	2
South Hackney L		15453	15	10	-	3	-	-	1	-	-	-	-	-	1	1	1	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	9	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH		19483	15	7	3	1	-	-	1	-	-	-	-	-	2	-	-	2
St. Giles North		17201	6	5	-	1	2	-	2	-	-	-	-	-	-	-	-	-
Long Acre		11618	10	5	3	-	-	-	1	-	-	-	-	-	-	-	-	-
Charing Cross WH		11071	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2
St. Mary-le-Strand		10346	2	6	-	-	2	-	2	-	-	-	-	-	-	-	-	-
St. Clement Danes H		15207	6	8	-	1	-	-	-	-	-	-	-	-	1	-	-	3
St. George-the-Martyr H		19993	14	12	2	1	-	-	3	-	-	-	2	-	-	-	-	3
St. Andrew East Holborn W		12947	6	8	1	1	-	2	-	-	-	-	-	-	-	-	-	4
Saffron Hill		12012	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W		19132	9	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell		17250	9	8	1	1	-	1	1	-	-	-	-	-	2	3	-	-
Pentonville		13079	10	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Goswell-street		16200	10	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Old-street		11504	9	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
City-road HL		17880	14	9	2	-	-	1	-	-	-	-	-	-	1	-	-	-
Whitecross-street		14778	27	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury		12931	7	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
St. Botolph East London		20990	5	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate		19697	10	3	-	1	-	1	-	-	-	-	-	-	-	-	-	-
St. Sepulchre WH		11750	2	15	1	1	-	1	-	-	-	-	-	-	1	3	4	14
St. Bride W		13395	5	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Castle Baynard		7762	3	3	1	1	-	-	-	-	-	-	-	-	-	1	1	-
Christchurch		9020	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking		8659	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street		11544	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
aturday, 10th September 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erietic (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																			
Polwell Shoreditch	-	17313	5	8	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Leonard Shoreditch	L†	19188	14	12	6	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Hoxton New Town	W	26516	22	12	3	1	-	-	-	1	-	-	-	-	-	4	1	12	3
Hoxton Old Town	-	23777	20	6	2	1	1	-	-	2	-	-	-	-	-	1	-	-	1
Aggerstone West	W	23250	15	15	4	4	-	-	-	2	-	-	-	-	1	2	-	-	-
Aggerstone East	-	17310	14	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4
Hackney-road	-	26398	22	14	4	1	2	-	-	-	-	-	2	-	1	4	-	-	-
Green, Bethnal Green	WHIL†	31789	33	15	6	1	-	-	-	-	-	-	-	-	-	3	-	-	-
Church, Bethnal Green	-	25528	11	9	3	1	-	-	-	1	-	-	-	-	1	3	-	-	-
Town, Bethnal Green	-	21486	12	5	3	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Hilbery Whitechapel	-	6557	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hilbertfields	-	15709	7	5	3	1	-	-	-	1	-	-	-	-	-	1	-	-	-
Mile End New Town	W	15392	8	13	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel North	-	12123	7	3	2	-	-	-	-	1	-	-	-	-	-	2	-	-	7
Whitechapel Church	H	8062	8	20	-	2	-	-	-	-	-	-	-	-	-	3	4	-	-
Godman's Fields	-	11166	2	3	1	-	-	-	-	-	-	-	-	-	-	-	1	-	15
Godgate	-	9971	6	3	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-
Mary St. George East	-	18181	8	5	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Paul St. George East	-	21015	11	6	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-
John St. George East	W	9695	9	10	-	6	-	-	1	-	-	-	-	-	-	1	1	8	-
Adwell	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cliff WH	-	12537	7	13	3	1	-	-	-	-	-	-	-	-	-	2	3	5	5
House	W	16874	6	7	2	1	-	-	-	-	-	-	-	-	-	1	2	2	-
	-	27161	23	13	2	3	-	-	1	-	-	-	-	-	-	1	-	1	-
Mile End Old Town West	-	33747	22	15	4	3	-	-	2	-	-	-	-	-	-	2	-	2	-
Mile End Old Town East	Ww	33917	39	26	7	1	2	-	2	-	-	1	1	1	1	2	-	-	-
Low Wile	L†	35667	39	18	4	3	-	-	-	-	1	1	-	-	-	-	-	-	-
Opplar	W	43529	30	16	7	5	-	-	-	-	-	-	-	-	-	2	-	1	2
SOUTH DISTRICTS.																			
Christchurch Southwark	W	17069	8	9	1	2	-	-	2	-	-	-	-	-	-	1	1	1	4
Saviour Southwark	H	19101	13	8	1	2	-	-	1	-	-	-	-	-	-	1	-	-	-
Ant-road	-	19652	8	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Borough-road	W	16668	13	11	1	3	-	-	-	-	-	-	-	-	-	1	2	-	-
London road	L	19190	12	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unity Newington	-	22675	13	8	2	1	-	-	3	-	-	-	-	-	-	-	-	-	8
Peter Walworth	W	44463	20	16	4	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Mary Newington	H	15082	16	10	-	1	-	-	1	-	1	-	-	-	-	1	2	2	6
Olive Southwark	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
John Horsleydown	W	7683	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Market	-	13193	5	5	2	1	-	-	-	1	-	-	-	-	-	1	1	3	4
Mary Magdalen	W	16986	14	8	-	-	-	-	-	-	-	-	1	-	-	1	1	1	-
James Bermondsey	-	16505	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Herhithe	W	25154	31	20	9	2	-	-	-	-	-	-	-	-	-	4	-	-	-
	-	24502	18	11	3	3	-	-	1	3	-	1	-	-	-	2	-	-	-
Waterloo-road 1st	-	15269	10	7	2	-	-	-	4	-	-	-	-	-	-	1	-	-	-
Waterloo-road 2nd	H	18440	9	7	4	1	1	-	2	-	-	-	-	-	-	1	-	-	-
Waterloo Church 1st	-	19839	14	2	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo Church 2nd	W	20542	29	24	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo 1st	-	30785	21	13	2	2	-	-	4	-	2	-	-	-	-	1	1	9	-
Waterloo 2nd	-	20440	9	5	1	2	-	-	4	-	1	-	1	-	-	1	-	-	-
Hoxton	-	20667	16	8	2	2	-	-	1	-	-	-	-	-	-	-	-	-	-
Wood	W	7462	11	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Waterloo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo	-	20894	17	12	2	3	-	-	3	-	-	-	-	-	-	2	-	-	-
Waterloo	W	19600	32	25	7	3	-	-	1	-	-	-	-	-	-	-	-	-	-
Waterloo	L	13846	5	12	3	-	-	-	7	-	1	-	-	-	-	2	-	-	3
Waterloo	-	6481	3	4	-	2	-	-	4	-	-	-	-	-	-	-	-	-	2
Waterloo	-	10682	1	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo	-	1723	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo	WL†	21397	23	16	3	3	-	-	-	-	-	-	-	-	-	1	-	-	-
Waterloo	W	28135	26	12	5	2	-	-	2	-	-	-	-	-	-	2	-	-	5
Waterloo	-	20633	18	20	2	1	-	-	-	-	2	-	-	-	-	4	-	-	-
Waterloo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo	-	37834	27	30	6	3	-	-	-	-	1	-	-	-	-	2	4	6	-
Waterloo	-	8139	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo	H	21696	8	12	4	3	-	-	1	-	-	-	-	-	-	2	3	-	-
Waterloo	WH	18306	5	17	3	3	-	-	-	-	-	-	-	-	-	1	4	5	5
Waterloo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo	-	3009	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo	-	11003	4	5	2	-	-	-	2	-	-	-	-	-	-	-	-	1	-
Waterloo	W	7872	6	9	4	1	-	-	-	-	1	-	1	-	-	1	2	2	1
Waterloo	-	10595	22	4	3	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Waterloo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo	H	9276	1	7	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Waterloo	H	22919	10	4	1	-	-	-	-	-	-	-	1	-	-	2	1	3	-
Waterloo	H	18776	14	12	4	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Waterloo	-	-	7	5	2	1	-	-	-	-	-	-	-	-	-	-	3	1	-
Waterloo	-	24502	10	6	2	-	-	-	-	-	-	-	-	-	-	2	1	2	-

following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh.	is in Chelsea North-west sub-district.	Holborn Workhouse	is in Hoxton New Town sub-district.
The Strand	" " Tottenham court sub-district.	London City	" " Mile End Old Town Eastern sub-dist. and
London City	" " Islington East.	Stepney	" " Bow sub-district.
Do. do.	" " Hackney sub-district.		" " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 10th SEPTEMBER, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE.				WIND.				RAIN.			
Phases of Moon.		Mean daily (corrected and reduced to 32° Fahr. height).		Dry.		Dew Point.		Highest in the sun, as Grass, or self-registering thermometer.		Lowest in the water of the Thames at self-registering thermometer.		In the Water of the Thames at self-registering thermometer.		Between Dew Point and Air Temperature.		Between mean temperature of the day and the same day, per annum, on an average, of 50 years.*		Degree of the midday, complete rotation of the day and the same day, per annum, on an average, of 100.		As deduced from Anemometers.				Collected Gauge whose receiving surface is above the ground.	
		High-est.	Low-est.	High-est.	Low-est.	High-est.	Low-est.	High-est.	Low-est.	High-est.	Low-est.	High-est.	Low-est.	Mean daily value.	Greatest est.	Least est.	General Direction.	Pressure on square foot.	Mean of 21 Obs.	lbs.	Miles.	lbs.	Miles.	inches	
		in.																							
SEPTEMBER.																									
SUNDAY	4	Greatest Dec. S.	29.356	70.9	44.7	26.2	57.4	60.5	49.9	104.7	35.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MONDAY	5		29.518	70.0	55.0	15.0	60.5	57.1	57.1	114.5	48.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TUESDAY	6		29.350	66.0	53.4	12.6	57.8	55.0	57.8	98.5	48.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WEDNESDAY	7		29.200	57.9	49.3	8.6	52.5	51.1	51.1	68.9	43.1	0	0	0	0	0	0	0	0	0	0	0	0	0	
THURSDAY	8		29.562	64.9	46.4	18.5	55.4	47.4	47.4	119.1	38.5	0	0	0	0	0	0	0	0	0	0	0	0	0	
FRIDAY	9	Full	29.264	71.4	51.5	19.9	59.9	54.2	54.2	124.4	47.3	0	0	0	0	0	0	0	0	0	0	0	0	0	
SATURDAY	10		29.599	63.8	50.8	13.0	55.6	45.8	45.8	111.5	43.2	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEANS			29.476	66.4	50.2	16.3	57.0	51.5	51.5	105.9	43.3	0	0	0	0	0	0	0	0	0	0	0	0	0	

SKY AND ATMOSPHERE.

The height of the eastern of the barometres considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's first glass standard barometer. The observations are taken at 9h. a.m., noon; 3h. p.m.; and 9h. p.m. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer read at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1853, December 31. In reading the 17th column it will be borne in mind that *a* read "*negative*," and "*lower*," than the average. If the results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 29.70 in. at the beginning of the week to 29.90 in. by 9h. p.m. on the 4th; decreased to 29.16 in. by 3h. p.m. on the 7th; increased to 29.60 in. by 3h. p.m. on the 8th, decreased to 29.24 in. by 9h. a.m. on the 9th; and increased to 29.82 in. by the end of the week.

A very fine day; light clouds prevailed.

Overcast. Thin rain fell during the afternoon, and very heavy rain fell between 6h. P.M. and 9h. P.M.

Overcast till evening; partially clear afterwards. Frequent heavy showers of rain.

Overcast till 6h. P.M. and rain fell very heavily during the morning and afternoon; fine at night, sky gradually cloudy. Lightning seen occasionally.

Very fine throughout the day, and light clouds were prevalent; overcast after 10h. P.M., and rain fell heavily from 10h. 30m. P.M. to midnight.

Very variable; at times heavy showers of rain fell; very fine at other times, with light clouds prevalent.

Generally cloudy till 4h. P.M., and a violent gale prevailed; between 5h. P.M. and 4h. P.M. a little rain fell; fine after 4h. P.M., and partially cloudy.

The electrical apparatus
examined, repair throughout
the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 37. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, SEPTEMBER 17. [Price 1*d*.

*General Register Office, Somerset House,
19th September 1870.*

DURING the week ending Saturday the 17th instant, 4747 *births* and 3100 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 22 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the four preceding weeks was 26 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, were as follow :—Liverpool 31 per 1000, Bradford 20, Manchester 26, Salford 28, London 19, Birmingham 18, Newcastle-upon-Tyne 23, Leeds 30, Portsmouth 19, Sheffield 26, Hull 26, Wolverhampton 19, Bristol 33, Nottingham 18, Sunderland 19, Leicester 26, Norwich 39. Scarlet fever caused 269 deaths in the 17 towns, against 276 in the previous week, but its exceptional prevalence is confined mainly to London, Liverpool, and Bristol. In the latter city one third of the total deaths last week resulted from scarlet fever, the proportion having been one fourth in the preceding three weeks; the mortality from this disease in Bristol during the last eight weeks has been equivalent to an annual death rate of 7·4 per 1000 of the population; the corresponding ratio for London was 2·1 per 1000, and for Liverpool 2·4 per 1000.

In Edinburgh the annual rate of mortality last week was 18 per 1000 persons living, in Glasgow 23 per 1000, and in Dublin 23.

In Paris the deaths registered during the week ending last Saturday were at the annual rate of 35 per 1000 persons living: the reported deaths from small-pox were 168, as compared with 116, and 148, in the preceding fortnight. In Vienna the annual rate of mortality during the week ending the 10th instant was 26 per 1000.

In LONDON the *births* of 1002 boys and 984 girls, in all 1986 children, were registered last week. The *deaths* registered in the same time were 1197, which is the smallest number recorded in any week since June 1868. During the corresponding weeks of ten previous years the registered *births* averaged 1932, and the *deaths* 1220 per week; after making due allowance for increase of population, the average for the past week is estimated at 2125 *births* and 1342 *deaths*; the registered *births*, therefore, were 139, and the *deaths* 145, below the estimated average.

Zymotic diseases caused 372 deaths, including 11 from small-pox, 8 from measles, 157 from scarlet fever, 8 from diphtheria, 9 from croup, 14 from whooping-cough, 5 from typhus, 21 from enteric (or typhoid) fever, 19 from simple continued fever, 6 from erysipelas, and 73 from diarrhoea.

From "simple cholera" and choleraic diarrhoea 3 deaths were registered.

Scarlet fever was fatal last week in London at the rate of 2·5 deaths annually to every 1000 of the population; in the West Districts the ratio was 3·0, in the North Districts 2·5, in the Central Districts 2·0, in the East Districts 1·5, and

in the South Districts 3·2 per 1000. It caused 5 out of 13 deaths in St. Mary Paddington, 5 out of 10 in St. Paul Hammersmith, 9 out of 22 in Kentish Town, and 13 out of 30 in Battersea sub-districts.

Three out of the 11 deaths from small-pox occurred in the sub-district of Mile End Old Town Eastern; four fatal cases had occurred in the same sub-district during the previous fortnight.

Thirty-nine deaths resulted from violence: of these 32 were accidental, including 15 by fractures, 6 by drowning, and 4 (infants) by suffocation. Five suicides were registered.

Three fatal accidents caused by horses or vehicles in the streets were returned last week:

A horse keeper's wife, aged 58 years, died on 10th instant, at St. George-in-the-East, of injuries resulting from being run over by a two-horse van; a boy, aged 11 years, died on 13th instant, at Poplar Hospital, of "shock and exhaustion from amputation of leg; run over by a two-horse waggon;" a carman, aged 22 years, died on 8th instant at Lambeth-walk, of "internal injuries by the overturning of a wash cart on him accidentally."

In the Public Institutions of the Metropolis 193 deaths were registered; of these 105 occurred in Workhouses, 2 in Military and Naval Asylums, 69 in General Hospitals, 12 in Hospitals for special diseases, 1 (woman) in Lying-in Hospitals, 2 in Military and Naval Hospitals, 1 in Hospitals and Asylums for Foreigners, and 1 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow:—Mean reading of the *barometer* 30·037 in.; the highest was 30·37 in. on Friday, and the lowest was 29·67 in. on Wednesday. The mean temperature of the *air* was 54°·0, or 3°·2 below the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 68°·8 on Monday; the lowest night temperature was 37°·5 on Thursday; the entire range of temperature in the week was, therefore, 31°·3. The highest temperature in the sun was 129°·9 on Monday. The mean temperature was below the average on every day in the week, the greatest deficiency occurring on Thursday and Friday. The difference between the mean *dew-point* temperature and *air* temperature was 5°·5. The mean degree of *humidity* of the air was 82, complete saturation being represented by 100. A little rain fell on Monday afternoon and Saturday morning, but not to any measureable extent; 0·21 in. fell on Tuesday, and the other days were rainless. The general direction of the *wind* was W.S.W.; and the horizontal movement of the air amounted to 9 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 49°·3 in Hull, to 54°·9 in Bristol; the lowest recorded night temperature was 31°·0 in Hull, and the highest day temperature in the shade was 70°·6 in Portsmouth. Rain fell in all the towns except Portsmouth, the quantities measured varying from 0·12 in. at Bristol, to 1·17 in. at Liverpool.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 12°·2; the highest day temperature in the shade was 20°·4; the lowest night temperature was 3°·1; the highest temperature in the sun was 54°·4. The mean temperature of the week on an average of 50 years was 14°·0, or 1°·8 above the temperature of last week. The wind blew at the rate of 14 kilometers an hour, and the rain-fall was 0·54 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 194,495 cubic metres, and at Barking 193,273 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTY-SEVENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1732	1795	1772	1923	1868	2089	2115	2058	2021	1944	1931·7	1986
Males . .	890	916	913	938	957	1054	1080	1044	1052	957	980·1	1002
Females .	842	879	859	985	911	1035	1035	1014	969	987	951·6	984
TOTAL Deaths	962	1110	1138	1257	1236	1204	1371	1262	1246	1409	1219·5	1197
Males	484	565	598	659	610	625	734	651	642	706	627·4	618
Females	478	545	540	598	626	579	637	611	604	703	592·1	579

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	June 25	July 2.	July 9.	July 16.	July 23.	July 30.	Aug. 6.	Aug. 13	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.
TOTAL Deaths	1282	1359	1497	1498	1754	1700	1648	1494	1398	1393	1426	1322	1197
Deaths under 5 years of age	575	682	813	765	966	989	913	830	759	688	642	564	504
Deaths 5-20	124	114	115	128	136	114	123	124	118	130	152	150	139
Deaths 20-40	173	161	171	188	193	167	192	151	167	182	186	213	168
Deaths 40-60	188	189	187	187	214	205	189	177	153	183	201	189	179
Deaths 60-80	184	183	177	178	195	186	195	175	160	174	199	167	168
Deaths at 80 years & upwards	38	30	34	52	50	39	36	37	41	36	46	39	39
Deaths from Smallpox	11	12	13	11	15	11	15	11	10	11	9	12	11
" " Measles	51	42	41	31	33	30	33	22	15	34	19	16	8
" " Scarlet Fever	95	80	104	85	130	100	114	118	126	108	129	165	157
" " Diphtheria	4	6	3	7	7	5	4	9	2	6	5	6	8
" " Whooping-cough	27	28	24	31	20	26	24	25	17	20	21	15	14
" " Typhus fever	7	8	9	14	10	8	10	12	7	2	3	6	5
" " Enteric (or Typhoid) fever	21	12	21	18	22	14	24	23	31	25	29	18	21
" " Simple Cont'd fever	6	7	11	7	14	9	9	9	12	9	7	16	19
" " Diarrhoea	86	192	258	259	385	371	385	289	248	202	156	130	73
" " Simple Cholera	2	12	10	22	31	46	32	25	9	19	5	3	3
" " Phthisis	145	149	141	142	148	158	170	153	169	147	163	163	155
" " Bronchitis	61	56	59	61	65	66	52	45	40	50	71	55	63
" " Pneumonia	48	41	43	34	43	38	28	38	31	32	44	37	42
" " Heart Disease	57	60	63	66	52	48	46	52	41	65	54	44	55
Mean Temperature of the Air	63·8	57·7	65·0	65·7	68·5	64·8	65·3	64·5	60·9	57·3	57·7	57·0	54·0
Mean Temperature of the Water of the Thames	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air	66	71	72	67	64	74	81	75	69	67	75	82	82
Rain-fall in inches	0·12	0·16	0·12	0·80	0·00	0·93	0·15	0·62	0·00	0·70	0·64	1·33	0·21

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Canu-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarboton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Pilliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 17th day of September 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 17th Sept.	DEATHS registered during the Week ending 17th Sept.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	4747	3100	70·6	31·0	53·0	11·67	0·48	1·2
LONDON - - -	77,997	3,214,707	41·2	1986	1197	68·8	37·5	54·0	12·22	0·21	0·5
PORTSMOUTH - -	9,513	122,084	12·8	78	45	70·6	36·2	52·5	11·39	0·00	0·0
NORWICH - - -	7,472	81,087	10·9	58	60	65·0	40·0	52·1	11·17	0·37	0·9
BRISTOL - - -	4,688	171,382	36·6	123	109	65·7	42·4	54·9	12·72	0·12	0·3
WOLVERHAMPTON -	3,387	72,990	21·5	52	26	66·3	38·7	53·5	11·95	0·20	0·5
BIRMINGHAM - -	7,831	369,604	47·2	288	128	65·5	34·9	54·0	12·22	0·23	0·5
LEICESTER - - -	3,200	97,427	30·4	68	49	68·2	35·5	53·3	11·84	0·56	1·4
NOTTINGHAM - -	1,996	88,888	44·5	49	30	66·0	34·8	52·5	11·39	0·39	0·9
LIVERPOOL - - -	5,108	517,567	101·3	359	306	62·9	41·5	54·4	12·44	1·17	2·9
MANCHESTER - -	4,486	374,993	83·6	255	185	65·8	35·0	52·4	11·33	0·96	2·4
SALFORD - - -	5,172	121,580	23·5	93	65	65·5	37·0	52·4	11·33	0·92	2·3
BRADFORD - - -	6,590	143,197	21·7	86	54	63·7	39·8	53·1	11·73	0·52	1·3
LEEDS - - -	21,572	259,527	12·0	190	150	63·0	37·0	52·9	11·61	0·35	0·8
SHEFFIELD - - -	22,830	247,378	10·8	177	123	65·0	36·5	52·9	11·61	0·53	1·3
HULL - - -	3,562	130,869	36·7	74	65	65·0	31·0	49·3	9·61	0·58	1·4
SUNDERLAND - -	3,306	100,979	30·5	62	37	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,836	133,387	25·0	76	59	62·0	42·0	51·0	10·56	0·66	1·6
EDINBURGH - - -	4,427	178,970	40·4	139	62	65·7	36·0	53·1	11·73	0·20	0·5
GLASGOW - - -	5,063	468,189	92·5	375	208	62·6	34·5	51·8	11·00	0·66	1·6
DUBLIN - - -	9,745	321,540	33·0	159	142	68·4	44·0	57·7	14·28	0·49	1·2
PARIS - - -	7,802	1,889,842	242	—	1263	—	—	—	—	—	—
				Week ending 10 Sept. 1870.	Week ending 10 Sept. 1870.	Week ending 10th September 1870.					
VIENNA - - -	3,728*	622,087	167	—	307	—	—	63·1	17·25	—	—
				Week ending 15 Sept. 1870.	Week ending 15 Sept. 1870.	Week ending 15th September 1870.					
BERLIN - - -	6,253	800,000	128	—	—	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 17th day of September 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Houses.	
Total of 17 TOWNS -	22	2688	738	449	14	22	269	16	33	144	283	81	134	3	
LONDON - - - -	19	1197	275	207	11	8	157	8	14	45	73	39	67	16	
PORTSMOUTH - - -	19	45	8	13	-	-	1	1	-	2	4	2	4	-	
NORWICH - - - -	39	60	21	10	-	1	6	-	-	6	7	-	1	-	
BRISTOL - - - -	33	109	25	13	-	1	36	-	1	4	8	1	1	-	
WOLVERHAMPTON -	19	26	8	5	-	-	1	-	-	1	1	1	2	-	
BIRMINGHAM - - -	18	123	39	16	-	3	9	1	2	6	19	6	11	1	
LEICESTER - - - -	26	49	18	4	-	2	6	1	2	1	5	-	1	-	
NOTTINGHAM - - -	18	30	14	5	-	-	2	-	-	3	7	1	1	-	
LIVERPOOL - - - -	31	306	94	50	2	1	29	-	11	20	31	16	21	4	
MANCHESTER - - -	26	185	65	27	1	-	1	1	1	12	35	5	12	8	
SALFORD - - - -	28	65	18	18	-	-	4	-	-	3	12	1	1	-	
BRADFORD - - - -	20	54	21	4	-	1	3	1	-	4	8	2	2	-	
LEEDS - - - -	30	150	42	26	-	4	3	-	-	13	31	3	4	-	
SHEFFIELD - - - -	26	123	35	26	-	-	4	1	1	11	16	-	2	-	
HULL - - - -	26	65	22	10	-	-	5	-	-	1	14	2	2	-	
SUNDERLAND - - -	19	37	12	6	-	-	-	1	1	-	5	1	1	-	
NEWCASTLE-ON-TYNE -	23	59	21	9	-	1	2	1	-	3	7	1	1	-	
DUBLIN - - - -	23	142	38	23	-	-	6	-	1	3	21	3	2	-	

TABLE 5.—DEATHS in LONDON Registered in the THIRTY-SEVENTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Thirty-seventh Week in the 10 years 1860-69.		In the Week ending Saturday, September 17, 1870.						
				Deaths of Persons of the Ages						
				ALL AGES.	Under 20.		40 and under 40.	60 and under 60.	80 and under 80.	80 Years and upwards.
					Mean Tem.	0-5. 5-20.				
Mean Temperature -	58°4	54°0	0-5. 5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			
ALL CAUSES -	1219·5	1197	504	139	168	179	168	39		
SPECIFIED CAUSES	1206·4	1193	502	138	168	179	167	39		
I. ZYMOTIC DISEASES.										
ORDER 1.										
1. Small-pox -	11·5	11	7	3	1	-	-	-		
2. Measles -	22·4	8	8	-	-	-	-	-		
3. Scarlet Fever (Scarlatina) -	72·3	157	108	52	1	-	1	-		
4. Diphtheria -	10·7	8	6	2	-	-	-	-		
5. Quinsey -	1·0	-	-	-	-	-	-	-		
6. Croup -	12·7	9	5	4	-	-	-	-		
7. Whooping-cough -	28·7	14	14	-	-	-	-	-		
8. Typhus -	5	5	3	1	1	-	-	-		
— Enteric or Typhoid Fever -	51·3	21	2	10	4	2	3	-		
— Simple continued Fever -	-	19	4	7	3	3	1	1		
9. Erysipelas -	6·0	6	2	-	-	1	3	-		
10. Puerperal Fever (Metria) -	3·3	3	-	-	3	-	-	-		
11. Carbuncle -	1·0	-	-	-	-	-	-	-		
12. Influenza -	·1	-	-	-	-	-	-	-		
13. Dysentery -	2·7	3	-	-	-	-	-	-		
14. Diarrhœa -	107·1	73	66	-	1	3	3	-		
15. Simple Cholera -	24·1	3	1	-	-	2	-	-		
16. Ague -	·4	-	-	-	-	-	-	-		
17. Remittent Fever -	·8	-	-	-	-	-	-	-		
18. Rheumatism -	8·6	5	-	-	4	1	-	-		
19. Other Zymotic Diseases -	·8	-	-	-	-	-	-	-		
ORDER 2.										
1. Syphilis -	5·9	8	8	-	-	-	-	-		
2. Stricture of Urethra -	·9	-	-	-	-	-	-	-		
3. Hydrophobia -	·1	-	-	-	-	-	-	-		
4. Glanders -	-	-	-	-	-	-	-	-		
ORDER 3.										
1. Privation -	·6	-	-	-	-	-	-	-		
2. Want of Breast-milk -	7·6	13	13	-	-	-	-	-		
3. Purpura and Scurvy -	1·0	1	-	-	1	-	-	-		
4. Alco- ^a & Del. Tremens -	2·0	-	-	-	-	-	-	-		
holism & b Intemperance -	1·5	1	-	-	1	-	-	-		
ORDER 4.										
1. Thrush -	4·1	3	3	-	-	-	-	-		
2. Worms, &c. -	·1	1	-	-	1	-	-	-		
II. CONSTITUTIONAL DIS.										
ORDER 1.										
1. Gout -	1·1	2	-	-	1	1	-	-		
2. Dropsy -	13·3	8	2	1	1	3	-	-		
3. Cancer -	27·8	32	-	-	4	20	7	1		
4. Cancerum Oris (Noma) -	·3	-	-	-	-	-	-	-		
5. Mortification -	8·2	4	-	-	1	2	1	-		
ORDER 2.										
1. Scrofula -	7·2	9	6	1	2	-	-	-		
2. Tabes Mesenterica -	27·6	30	23	3	-	-	1	-		
3. Phthisis -	141·9	155	6	14	79	50	6	-		
4. Hydrocephalus -	22·3	20	16	4	-	-	-	-		
III. LOCAL DISEASES.										
ORDER 1.										
1. Cephalitis -	11·2	14	5	5	2	2	-	-		
2. Apoplexy -	23·6	32	3	2	6	9	9	3		
3. Paralysis -	22·1	19	1	1	2	4	1	2		
4. Insanity -	2·2	2	-	-	-	1	1	-		
5. Chorea -	·1	-	-	-	-	-	-	-		
6. Epilepsy -	6·4	3	-	1	-	-	2	-		
7. Convulsions ^a -	41·4	35	34	1	-	-	-	-		
8. Brain Disease, &c. -	14·7	17	4	-	4	2	7	-		
ORDER 2.										
1. Pericarditis -	2·0	3	-	2	-	-	1	-		
2. Anæmia -	1·8	1	-	-	-	1	-	-		
3. Heart Disease, &c. -	49·1	55	1	3	10	18	19	4		
ORDER 3.										
1. Laryngitis -	5·0	3	1	1	-	1	-	-		
2. Bronchitis -	57·4	63	22	1	1	10	26	3		
3. Pleurisy -	1·9	2	-	-	-	-	-	-		
4. Pneumonia -	42·4	42	25	4	6	4	3	-		
5. Asthma -	3·8	3	-	-	1	-	2	-		
6. Lung Disease, &c. -	8·8	9	3	-	1	1	2	2		
ORDER 4.										
1. Gastritis -	1·4	2	-	-	-	2	-	-		
2. Enteritis -	6·0	5	4	1	-	-	-	-		
3. Peritonitis -	5·2	6	-	2	1	2	-	1		
4. Ascites -	2·4	2	-	-	-	-	2	-		
5. Ulceration of Intestines -	2·5	4	-	-	-	1	3	-		
6. Hernia -	3·2	5	-	-	-	2	3	-		
7. Ileus -	2·8	3	-	-	2	-	1	-		
8. Intussusception -	·6	2	-	1	-	1	-	-		
CAUSES OF DEATH.										
Mean Temperature -		Averages of the Thirty-seventh Week in the 10 years 1860-69.		In the Week ending Saturday, September 17, 1870.						
				Deaths of Persons of the Ages						
				ALL AGES.	Under 20.		40 and under 40.	60 and under 60.	80 and under 80.	80 Years and upwards.
					Mean Tem.	0-5. 5-20.				
Mean Temperature -	58°4	54°0	0-5. 5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			
9. Stricture of Intestines -	1·2	-	-	-	-	-	-	-		
10. Fistula -	·1	-	-	-	-	-	-	-		
11. Stomach Disease, &c. -	5·7	8	1	1	-	4	-	2		
12. Pancreas Disease, &c. -	-	-	-	-	-	-	-	-		
13. Hepatitis -	3·4	2	-	-	1	1	-	-		
14. Jaundice -	8·6	4	3	-	-	-	1	1		
15. Liver Disease, &c. -	13·7	13	-	1	1	4	7	-		
16. Spleen Disease, &c. -	·2	-	-	-	-	-	-	-		
ORDER 5.										
1. Nephritis -	·5	1	-	-	-	1	-	-		
2. Ischuria -	·3	-	-	-	-	-	-	-		
3. Bright's Disease (Nephria) -	8·0	16	3	1	1	8	3	-		
4. Diabetes -	·7	2	-	-	1	1	-	-		
5. Calculus (Stone) -	·5	1	-	1	-	-	-	-		
6. Cystitis -	1·4	-	-	-	-	-	-	-		
7. Kidney Disease, &c. -	7·3	5	-	-	2	1	2	-		
ORDER 6.										
1. Ovarian Dropsy -	·9	-	-	-	-	-	-	-		
2. Uterus Disease, &c. -	3·6	2	-	-	1	1	-	-		
ORDER 7.										
1. Synovitis (Arthritis) -	·3	-	-	-	-	-	-	-		
2. Joint Disease, &c. -	3·9	2	2	-	-	-	-	-		
ORDER 8.										
1. Phlegmon -	1·3	2	1	1	-	-	-	-		
2. Ulcer -	1·1	1	-	-	-	-	1	-		
3. Skin Disease, &c. -	1·4	-	-	-	-	-	-	-		
IV. DEVELOPMENTAL DISEASES.										
ORDER 1.										
1. Premature Birth -	16·2	19	19	-	-	-	-	-		
2. Cyanosis -	1·9	4	4	-	-	-	-	-		
3. Spina Bifida -	·9	-	-	-	-	-	-	-		
4. Other Malformations -	1·2	2	2	-	-	-	-	-		
5. Teething -	11·9	6	6	-	-	-	-	-		
ORDER 2.										
1. Paramenia -	·3	-	-	-	-	-	-	-		
2. Childbirth (see Puerperal Fever) -	6·3	4	-	-	3	1	-	-		
ORDER 3.										
1. Old Age -	39·4	36	-	-	-	-	17	19		
ORDER 4.										
1. Atrophy and Debility -	70·6	60	50	1	2	-	7	-		
V. VIOLENT DEATHS, &c.										
ORDER 1.										
(ACCIDENT OR NEGLIGENCE.)										
1. Fractures and Contusions -	16·1	15	2	1	3	6	3	-		
2. Wounds -	·4	2	-	1	1	-	-	-		
3. Burns and Scalds -	3·7	2	1	-	1	-	-	-		
4. Poison -	·8	-	-	-	-	-	-	-		
5. Drowning -	7·8	6	1	1	4	-	-	-		
6. Suffocation -	5·4	4	4	-	-	-	-	-		
7. Otherwise -	2·6	3	1	-	-	2	-	-		
ORDER 3.										
(HOMICIDE.)										
1. Murder and Manslaughter -	2·3	2	1	-	1	-	-	-		
ORDER 4.										
(SUICIDE.)										
1. Wounds { Gunshot -	·4	-	-	-	-	-	-	-		
2. Poison -	·5	2	-	-	-	-	-	-		
3. Drowning -	·6	-	-	-	-	-	-	-		
4. Hanging -	1·6	1	-	-	-	1	-	-		
5. Otherwise -	·3	-	-	-	-	-	-	-		
ORDER 5.										
(EXECUTION.)										
1. Hanging -	·1	-	-	-	-	-	-	-		
Violent Deaths (not classed)										
Sudden Deaths (Cause un-	·5	-	-	-	-	-	-	-		
ascertained) -	2·5	1	1	-	-	-	-	-		
Causes not specified or il-	10·6	3	1	1	-	-	1	-		
defined -	-	-	-	-	-	-	-	-		

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON		2,803,989	1986	1197	275	207	11	8	157	8	14	5	21	19	73	39	67	193	
WEST DISTRICTS		458,125	258	181	37	34	-	2	31	-	1	-	5	1	13	3	6	3	
NORTH DISTRICTS		618,210	434	279	57	66	1	1	35	1	1	1	10	7	13	5	13	51	
CENTRAL DISTRICTS		383,321	234	137	36	18	-	2	14	1	1	1	1	2	14	5	9	25	
EAST DISTRICTS		571,138	450	251	60	40	8	3	18	1	4	2	2	4	13	13	21	48	
SOUTH DISTRICTS		773,176	610	349	85	49	2	-	59	5	7	1	3	5	20	13	18	35	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	24	13	1	5	-	-	5	-	-	-	-	1	-	-	1	2	
St. John Paddington H		36769	13	9	1	2	-	-	2	-	-	-	-	-	-	-	-	-	
Kensington Town W		51910	35	22	7	4	-	1	1	-	-	-	1	-	-	-	2	1	
Brompton H		18198	10	9	1	1	-	-	-	-	-	-	-	-	1	-	1	6	
St. Peter Hammersmith		5415	5	6	-	2	-	1	1	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	16	10	-	1	-	-	5	-	-	-	-	-	1	-	-	1	
Fulham W		15539	14	4	-	-	-	-	-	-	-	-	-	-	-	1	1	-	
Chelsea South H		21654	13	10	3	2	-	-	1	-	-	-	1	-	1	-	-	2	
Chelsea North-west HW		19899	14	22	4	4	-	-	6	-	-	-	-	-	3	-	-	9	
Chelsea North-east		21886	11	9	4	1	-	-	2	-	-	-	-	-	-	-	-	-	
Hanover Square		19773	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W		12885	7	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	25	29	8	5	-	-	2	-	-	-	1	-	4	1	-	4	
St. John Westminster H		37483	31	12	2	1	-	-	2	-	-	-	-	-	-	-	-	2	
St. Margaret Westminster WH		30730	10	9	4	-	-	-	1	-	-	-	-	-	2	-	-	2	
St. James's Square		10753	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Golden Square W		18036	5	7	-	2	-	-	-	-	1	-	-	-	-	-	-	3	
Berwick-street		10607	1	5	1	2	-	-	1	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17428	11	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29952	14	15	1	3	-	-	1	-	-	-	-	-	-	2	2	9	
Avondish Square		15490	5	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W		29692	15	19	3	7	-	-	2	-	-	-	-	-	-	-	-	9	
St. Mary Marylebone H		22493	9	10	2	3	-	-	-	-	-	-	-	-	1	2	-	-	
Christchurch Marylebone		34913	18	8	1	2	-	-	1	-	1	-	-	-	-	-	1	-	
St. John Marylebone		32540	18	12	2	1	-	-	1	-	-	-	1	-	-	1	1	-	
Hampstead WH		19106	14	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Regent's Park Pancras		34927	21	9	1	6	-	-	-	-	-	-	-	-	-	-	1	-	
Tottenham-court Hill		29771	19	16	1	4	-	1	3	-	-	1	1	-	1	-	6	-	
Gray's Inn Lane H		27808	13	11	2	2	-	-	-	-	-	-	-	-	1	-	3	-	
Somers Town		39099	29	18	4	3	-	-	4	-	-	-	1	3	-	-	5	-	
Camden Town W		23264	12	20	6	5	-	-	1	-	-	-	-	-	-	1	5	11	
Kentish Town		44317	22	41	3	5	-	-	9	1	-	1	1	-	-	-	1	-	
Islington West* WHH		75442	62	37	11	9	1	-	7	-	-	1	2	-	4	-	-	10	
Islington East Ww		79839	69	31	6	7	-	-	2	-	-	-	3	1	2	-	-	-	
Stoke Newington		6998	6	3	1	-	-	-	1	-	-	-	1	-	-	-	-	-	
Stamford Hill		5483	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	20	5	3	2	-	-	-	-	-	-	-	-	1	-	-	-	
Hackney WHw		31481	29	20	5	2	-	-	-	-	-	-	-	-	2	-	-	3	
South Hackney L		15458	17	11	5	2	-	-	2	-	-	-	-	-	1	-	1	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	10	4	1	1	-	1	-	-	-	-	-	-	1	-	-	-	
St. Giles South WH		19483	18	14	4	1	-	-	4	-	-	-	-	-	2	-	-	3	
St. Giles North		17201	15	5	2	-	-	-	1	-	-	-	-	-	1	-	-	-	
Long Acre		11618	3	6	1	-	-	-	-	-	-	-	-	-	1	1	-	-	
Charing Cross WH		11071	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Mary-le-Strand		10345	5	5	-	-	-	-	-	-	-	-	-	-	1	-	1	3	
St. Clement Danes H		15207	6	5	-	2	-	-	1	-	-	-	-	-	-	-	-	3	
St. George-the-Martyr H		19903	18	6	1	1	-	-	-	-	-	-	-	-	-	-	1	1	
St. Andrew East Holborn W		12947	12	12	5	3	-	-	-	-	-	-	-	-	1	-	3	6	
Saffron Hill		12012	5	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W		19152	16	7	2	1	-	-	-	-	1	-	-	-	1	-	-	2	
Amwell Clerkenwell		17230	10	5	1	-	-	-	-	1	1	-	-	-	-	-	1	-	
Pentonville		13059	13	5	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
Goswell-street		16200	13	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
Old-street		11504	14	6	5	1	-	-	-	-	-	-	-	-	1	-	-	-	
City-road HL		17860	15	10	4	-	-	-	3	-	-	-	-	-	-	-	-	1	
Whitecross-street		14775	15	7	3	-	-	-	-	-	-	-	-	-	-	2	2	-	
Finsbury		12931	6	3	1	1	-	-	-	-	-	-	-	-	1	-	-	-	
St. Botolph East London		20990	5	4	1	1	-	-	1	-	-	-	-	-	-	-	-	-	
Cripplegate		19697	9	4	-	-	-	-	-	-	-	1	1	-	-	1	1	-	
St. Sepulchre WH		11750	4	10	-	3	-	-	-	-	-	-	-	-	-	-	-	6	
St. Bride W		15395	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9020	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking		8659	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	7	6	2	-	-	-	-	-	-	-	-	-	3	1	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Saturday, 17th September 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Etiæric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhœa.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
Holywell Shoreditch	-	17313	5	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch Lt	-	19188	7	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Hoxton New Town w	-	26516	22	17	6	3	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton Old Town	-	25777	27	15	3	1	-	-	-	-	-	-	-	-	-	-	8	-
Haggerstone West W	-	23260	15	10	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Haggerstone East	-	17310	20	8	2	-	-	-	1	-	-	-	-	-	-	-	-	6
Hackney-road	-	26298	25	12	4	1	-	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green WHLt	-	31789	35	17	4	1	-	-	-	-	-	-	-	-	1	2	-	-
Church, Bethnal Green	-	25528	22	9	2	-	-	-	-	-	-	-	-	-	1	-	-	8
Town, Bethnal Green	-	21486	23	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Artillery Whitechapel	-	6557	1	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Spitalfields	-	15700	10	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Mile End New Town W	-	15392	11	13	3	4	1	1	1	-	-	-	-	-	-	-	-	-
Whitechapel North	-	12122	6	4	1	1	-	1	-	-	-	1	-	-	-	-	-	6
Whitechapel Church H	-	8662	2	11	-	3	-	-	-	-	-	-	-	-	1	-	-	-
Goodman's Fields	-	11166	9	3	2	-	-	-	-	-	-	-	-	-	-	3	2	9
Aldgate	-	9071	4	4	-	1	-	-	-	-	1	-	-	-	-	-	-	-
St. Mary St. George East	-	18181	14	10	3	-	-	2	-	1	-	-	-	-	-	-	-	-
St. Paul St. George East	-	21015	7	3	-	-	-	-	-	-	-	-	-	-	-	2	2	-
St. John St. George East W	-	9695	7	6	-	2	-	-	-	-	-	-	-	-	-	-	-	3
Shadwell W	-	12537	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratcliff WH	-	16874	6	11	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lincolnhouse W	-	27161	22	5	-	-	-	1	-	2	-	-	-	-	-	1	-	2
Mile End Old Town West	-	33747	32	11	4	2	-	-	1	1	-	1	-	-	-	-	-	-
Mile End Old Town East Ww	-	39617	36	23	10	2	3	-	4	1	-	1	1	1	3	1	3	3
Bow WwLt	-	35667	52	32	5	4	-	-	3	-	-	-	-	-	-	-	-	-
Poplar W	-	43329	26	15	4	4	-	-	1	1	-	-	-	-	3	5	4	8
SOUTH DISTRICTS.																		
Christchurch Southwark W	-	17069	9	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-
St. Saviour Southwark H	-	19101	8	7	3	-	-	-	-	2	-	-	-	-	1	-	-	-
Kent-road	-	19352	6	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Borough-road W	-	16668	7	7	4	-	-	-	-	-	1	-	-	-	-	-	-	-
London-road L	-	19190	11	11	3	2	2	-	3	-	-	-	-	-	1	-	-	1
Trinity Newington	-	22675	14	10	1	2	-	-	3	1	-	-	-	-	-	1	-	-
St. Peter Walworth W	-	44463	25	18	1	6	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Newington H	-	15082	16	7	-	-	-	-	1	-	2	-	-	-	2	-	-	6
St. Olave Southwark H	-	7663	-	16	-	2	-	-	-	-	-	-	-	-	-	-	-	4
St. John Horsleydown W	-	11393	7	3	-	-	-	-	-	-	-	-	-	-	-	-	1	15
Leather Market	-	16696	14	6	-	1	-	-	-	-	-	-	-	-	1	1	-	-
St. Mary Magdalen W	-	16505	9	4	3	-	1	-	-	-	-	-	-	-	1	1	-	-
St. James Bermondsey	-	25154	30	18	3	3	-	-	3	-	1	-	-	-	-	-	-	-
Rotherhithe W	-	24502	16	6	1	1	-	-	-	-	-	-	-	-	2	-	-	-
Waterloo-road 1st	-	15293	5	4	-	-	-	-	-	2	-	-	-	-	1	-	-	-
Waterloo-road 2nd H	-	18640	19	13	5	-	-	-	-	1	-	-	-	-	-	-	-	-
Lambeth Church 1st	-	19839	17	9	3	-	-	-	-	-	-	-	-	-	-	1	2	-
Lambeth Church 2nd W	-	29542	28	17	4	4	-	-	3	-	-	-	-	-	-	1	2	-
Kennington 1st	-	30785	18	13	1	3	-	-	4	-	-	-	-	-	3	1	2	3
Kennington 2nd	-	20440	16	7	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Brixton	-	20067	20	7	2	1	-	-	2	-	-	-	-	-	-	-	-	-
Norwood W	-	7462	12	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Clapham	-	20894	13	8	1	1	-	-	-	3	-	-	-	-	-	-	-	-
Battersea W	-	19690	41	30	12	2	-	-	-	-	-	-	-	-	-	1	1	-
Wandsworth L	-	13346	10	9	3	1	-	-	-	13	-	-	-	-	-	1	1	-
Putney	-	6481	6	4	1	2	-	-	-	2	-	-	-	-	1	2	-	1
Streatham	-	10082	7	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Dulwich	-	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell WLT Lt	-	21207	16	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Peckham W	-	28135	26	17	9	2	1	-	-	-	-	-	-	-	-	-	-	-
St. George Camberwell	-	20333	30	10	5	1	-	-	-	-	1	-	1	1	2	-	1	-
St. Paul Deptford	-	37334	45	17	2	3	-	-	2	1	1	1	-	-	-	-	-	-
St. Nicholas Deptford	-	8139	8	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West H	-	21696	21	13	2	2	-	-	4	-	1	-	-	-	-	2	3	-
Greenwich East WH	-	18306	8	7	1	-	-	-	2	1	-	-	-	-	1	-	-	-
Eltham	-	3909	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Lee	-	11063	6	7	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Lewisham Village W	-	7372	8	4	1	-	-	-	-	1	-	-	-	-	-	2	2	-
Sydenham	-	10595	7	6	3	1	-	-	-	-	-	-	-	-	-	-	-	2
Charlton H	-	9276	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich Dockyard H	-	22919	12	4	1	1	-	-	-	-	-	-	-	-	1	-	-	-
Woolwich Arsenal H	-	18776	9	4	2	-	-	-	-	-	-	-	-	-	1	-	-	-
Plumstead, West	-		9	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Plumstead, East	-	24502	16	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand	Tottenham-court sub-district.
London City	London City " (Mile End Old Town Eastern sub-dist. and
Do. do.	Islington East. " Bow sub-district.
	Hackney sub-district.
	Stepney " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 17th SEPTEMBER, 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.		RAINS.					
Phases of Moon.	Mean daily (corrected and reduced to 32° Fahr-heit).	High-est.	Low-est.	Dry.		Dew Point.	Highest in the sun, as self-regis-tered.	Lowest in the night, as self-regis-tered.	In the Water of the Thames at Greenwich, by self-registering thermometers		Between Dew Point and Air Temperature		Between mean tem-perature of the day and night, on an average of 50 years.*	Degree of Hu- midity, Satura- tion being re-ferred to 60°.	As deduced from Anemometers.		Collected in a Gauge whose surface is 5 in. above the ground.								
				Range in day.	Mean daily value.				Mean daily value.	Least est.	Great- est.	General Direction.			Pressure on square foot.	Olser's.		Robinson's.							
									Highest.	Lowest.	Mean	Least	on an average of 50 years.*	re-ferred to 60°.	Great- est.	Mean of 24 Obs.	Amount of Movement of Air each day.	Horizontal surface.							
SEPTEMBER.																									
SUNDAY . .	11	In Equator	29.997	66.8	44.7	22.1	53.9	47.9	96.5	36.0	0	0	— 3.7	80	WSW.	WSW.	lbs. 0.0 0.0	Miles. 143	Inches 0.00						
MONDAY . .	12	..	29.947	68.8	45.1	23.7	56.8	49.6	129.9	36.8	..	..	— 0.7	77	WSW.	WSW.	lbs. 0.0 0.4	284	0.00				
TUESDAY . .	13	..	29.782	60.0	49.8	10.2	54.5	53.2	79.8	43.0	..	..	— 2.8	96	WSW.	WSW & W	lbs. 2.8 0.0	324	0.21				
WEDNESDAY	14	Apogee	29.774	65.8	44.5	21.3	54.0	47.7	107.8	37.0	..	..	— 3.2	79	W. by S.	NNW. & WNW.	lbs. 5.0 0.0	363	0.00				
THURSDAY .	15	..	30.172	63.1	37.5	25.6	50.5	42.3	112.5	30.0	..	..	— 6.6	74	W & NNE.	ENE.	lbs. 0.0 0.0	111	0.00				
FRIDAY . .	16	..	30.349	64.8	38.8	26.0	52.1	45.7	119.4	30.0	..	..	— 4.8	79	SE. & ENE.	Var.	lbs. 0.0 0.0	87	0.00				
SATURDAY .	17	..	30.237	64.5	47.5	17.0	56.2	53.1	85.5	40.6	..	..	— 0.5	89	SW. & W.	NW. & WSW.	lbs. 0.4 0.0	189	0.00				
MEANS . .		..	30.037	64.8	44.0	20.8	54.0	48.5	104.5	36.2	..	..	— 3.2	82	WSW.	WSW.	lbs.	Sum 1501	Sum 2.3		
No. of Columns		8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

ELECTRICITY.

SKY AND ATMOSPHERE.

NOTES.

DATE.	SEPTEMBER.	11	12	13	14	15	16	17
SUNDAY	11	A fine day; hazy and foggy in the morning; light clouds generally prevailed throughout the day. Solar halo observed between noon and 2h. 30m. P.M. Dew.						
MONDAY	12	A fine day; light clouds were prevalent. A little rain fell at 5h. P.M.; and at night lunar corona and halo were seen.						
TUESDAY	13	Overcast. Rain fell generally between 9h. A.M. and 6h. P.M.						
WEDNESDAY	14	A fine day; generally cloudy till evening, then cloudless. Copious dew at night.						
THURSDAY	15	Very foggy in the early morning hours, and there was much dew; fine throughout the day, the amount of cloud small. Slightly foggy at night.						
FRIDAY	16	Generally foggy in the morning, but cloudless; fine throughout remainder of day; light clouds prevalent till evening; then cloudless.						
SATURDAY	17	Generally cloudy. A little rain fell in the morning. Slight fog at night.						

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1853, December 31.

* In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 29.82 in. at the beginning of the week to 30.02 in. by 10h. A.M. on the 11th; decreased to 29.67 in. by 9h. A.M. on the 14th; increased to 30.37 in. by 9h. A.M. on the 16th; and decreased to 30.19 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 38. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, SEPTEMBER 24. [Price 1½d.

*General Register Office, Somerset House,
26th September 1870.*

DURING the week ending Saturday the 24th instant, 5100 *births* and 2996 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 22 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the four preceding weeks was 25 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS were as follow:—Liverpool 33 per 1000, Bradford 27, Manchester 27, Salford 31, London 20, Birmingham 18, Newcastle-upon-Tyne 18, Leeds 26, Portsmouth 15, Sheffield 19, Hull 14, Wolverhampton 9, Bristol 32, Nottingham 20, Sunderland 21, Leicester 21, Norwich 24. Scarlet fever caused 280 deaths in the 17 towns, against 269, 276, and 231 in the three preceding weeks: the disease caused 32 out of 104 deaths in Bristol, 31 out of 323 deaths in Liverpool, 10 out of 74 deaths in Bradford, and 14 out of 91 deaths in Sheffield. The deaths from fever have exhibited a steady increase for several weeks past in the 17 towns.

In Edinburgh the annual rate of mortality last week was 22 per 1000 persons living, in Glasgow 22 per 1000, and in Dublin 20.

The usual return of deaths in Paris has not come to hand this week. In Vienna the annual rate of mortality during the week ending the 17th instant, was 24 per 1000. In the City of Bombay the deaths registered during the two weeks ending 23d and 30th August were 289 and 308 respectively (exclusive of still-born), and the mortality was at the annual rate of 18 and 20 per 1000.

In LONDON the *births* of 1092 boys and 1082 girls, in all 2174 children, were registered last week. The *deaths* registered in the same time were 1212. During the corresponding weeks of ten previous years the registered births averaged 1969, and the deaths 1196 per week; after making due allowance for increase of population, the average for the past week is estimated at 2166 births and 1316 deaths; the registered births, therefore, were 8 above, and the deaths 104 below, the estimated average.

Zymotic diseases caused 361 deaths, including 15 from small-pox, 8 from measles, 167 from scarlet fever, 7 from diphtheria, 10 from croup, 13 from whooping-cough, 11 from typhus, 22 from enteric (or typhoid) fever, 12 from simple continued fever, 9 from erysipelas, and 46 from diarrhoea.

From "simple cholera" and choleraic diarrhoea 4 deaths were registered.

The sub-district of Mile-end Old Town Eastern contributed 3 out of the 15 deaths from small-pox last week in London: these make altogether 10 fatal cases which have occurred in this sub-district during the past four weeks.

The scarlet fever epidemic continues unabated, the deaths having averaged 163 per week during the last three weeks.

The equivalent annual ratio of deaths from scarlet fever last week was 3.3 per 1000 in the West Districts, 2.8 in the North Districts, 2.0 in the Central Districts, 1.8 in the East Districts, and 3.1 in the South Districts. The disease caused 5 out of 11 deaths in St. Paul Hammersmith, 6 out of 16 in Somers Town, 11 out of 25 in Battersea, and 7 out of 13 in Greenwich West, sub-districts.

Forty-three deaths resulted from violence : of these 33 were accidental, including 17 by fractures, 3 by burns or scalds, 3 by drowning, and 5 (infants) by suffocation. Seven suicides were registered.

Four fatal accidents caused by horses or vehicles in the streets were returned last week : a jockey, aged 16 years, died in Edgeware-road on 22d instant, of injuries from being thrown from a horse under the wheels of a waggon ; a coal porter, aged 26 years, died at St. Mary's Hospital, on 18th instant, of "pyæmia, fracture of leg by fall from cart whilst drunk;" a boy, aged 4 years, died at Middlesex Hospital, on 19th September, of "inflammation of brain by blow on head from a fall from a cart into the street;" a machine roller, aged 26 years, died on 16th instant, at St. Bartholomew's Hospital, of "fractured skull by being knocked down by a hansom cab in Percival-street, Clerkenwell."

Returns furnished to the Registrar General by the London Water Companies show that the average daily supply of water for all purposes to the London population during the month of August was 111,719,750 gallons, of which it is estimated the supply for domestic purposes amounted to about 91,816,100 gallons, or about 27 gallons per day per head of population.

Professor Frankland in his report on the quality of the London water supply in the month of September states that all the samples taken from the mains of the several Companies were perfectly clear and transparent. The supplies of the Kent and New River Companies contained a much smaller proportion of organic elements than those drawn from the Thames. The quality of the Birmingham water supply has improved, though it is "still not quite good."

In the Public Institutions of the Metropolis 177 deaths were registered ; of these 87 occurred in Workhouses, 1 in Military and Naval Asylums, 54 in General Hospitals, 23 in Hospitals for special diseases, 6 in Military and Naval Hospitals, 3 in Hospitals and Asylums for Foreigners, and 3 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow :—Mean reading of the *barometer* 30·162 in. ; the highest was 30·20 in. on Monday and Friday, and the lowest was 30·13 in. on Tuesday. The mean temperature of the *air* was 54°·5, or 1°·2 below the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 68°·9 on Tuesday ; the lowest night temperature was 39°·6 on Tuesday ; the entire range of temperature in the week was, therefore, 29°·3. The highest temperature in the sun was 122°·0 on Saturday. The difference between the mean *dew-point* temperature and *air* temperature was 4°·4. The mean degree of *humidity* of the air was 85, complete saturation being represented by 100. No *rain-fall* was measured during the week. The general direction of the *wind* was variable, and the horizontal movement of the air amounted to 5·4 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 51°·5 in Hull to 57°·9 in Manchester ; the lowest recorded night temperature was 34°·0 in Hull, and the highest day temperature in the shade was 72°·5 in Salford. Very small quantities of rain were measured at Birmingham, Liverpool, Manchester, Salford, Bradford, and Leeds.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 12°·5 ; the highest day temperature in the shade was 20°·5 ; the lowest night temperature was 4°·2 ; the highest temperature in the sun was 50°·0. The mean temperature of the week on an average of 50 years was 13°·2, or 0°·7 above the temperature of last week. The wind blew at the rate of 8·6 kilometers an hour.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 186,205 cubic metres, and at Barking 163,835 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of AUGUST 1870: thus, according to their account, 111,719,750 gallons or 507,594 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 105·5 decalitres, rather more than a *ton* by weight, to each house, and 14·9 decalitres (= 32·7 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of August 1870, it may be estimated that about 91,816,100 gallons were probably used for domestic purposes, or about 27 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for do- mestic consumption) during the Month of	
	JULY 1870.	AUGUST 1870.	JULY 1870.	AUGUST 1870.
TOTAL SUPPLY	480,932	481,199	116,293,521	111,719,750
From Thames	221,555	221,749	59,835,004	58,027,747
From Lea and from other Sources	259,377	259,450	56,458,517	53,692,003
THAMES.				
Chelsea	27,486	27,486	9,390,900	9,078,000
West Middlesex	40,976	41,009	10,089,045	9,770,852
Southwark and Vauxhall	77,121	77,171	15,597,267	15,598,193
Grand Junction	30,929	30,929	12,056,092	11,377,102
Lambeth	45,043	45,154	12,701,700	12,203,600
LEA AND OTHER SOURCES.				
New River	117,903	117,976	26,708,000	25,698,000
East London	101,817	101,817	20,846,000	20,032,016
Kent	39,657	39,657	8,904,517	7,941,987

Note.—The Return for August as compared with that for July shows an increase of 267 houses, and a decrease of 4,573,771 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATERS FOR SEPTEMBER.

SIR, *Royal College of Chemistry, 24th September, 1870.*

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of September. For the purpose of comparison I append also the results yielded by the waters supplied to Birmingham, Manchester, and Glasgow, by well waters from Musselburgh, and by Thames water taken at Battersea Bridge at low and high-water on the 1st March.

All the water supplied to the Metropolis was perfectly clear and transparent. The supplies furnished by the Kent and New River Companies contained a much smaller proportion of organic elements than the water derived from the Thames. Of Thames water, that delivered by the Southwark and Grand Junction Companies contained the smallest proportion of organic elements. Owing chiefly to long storage in reservoirs, the East London Company's water had nearly lost all evidence of previous sewage contamination.

Dr. Hill reports that the Birmingham water supply was nearly clear when the sample was taken for analysis. The quality of the water, though still not quite good, has greatly improved since last month. The proportion of chlorine has fallen from 7·44 to 3·54 parts in 100,000, and there is no evidence of previous animal contamination.

The inhabitants of Musselburgh are entirely dependent upon shallow wells for their supply of water; the samples of well water analysed are, with one exception (Cran's well), greatly polluted by sewage and totally unfit for domestic use. Musselburgh has suffered much from cholera, and the most polluted well (Carry's well) mentioned in my analytical table has been closed since the last visitation of

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTY-EIGHTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1670	1830	1760	1930	1953	1962	2033	2215	2080	2252	1968·5	2174
Males . . .	859	944	872	946	975	992	1057	1121	1011	1144	992·1	1092
Females . .	811	886	888	984	978	970	976	1094	1069	1103	976·4	1082
TOTAL Deaths	1016	1126	1185	1186	1229	1143	1350	1138	1220	1362	1195·5	1212
Males . . .	513	564	586	623	623	595	706	596	623	696	612·5	634
Females . .	503	562	599	563	606	548	644	542	597	666	583·0	578

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	July 2.	July 9.	July 16.	July 23.	July 30.	Aug. 6.	Aug. 13.	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.
TOTAL Deaths	1359	1497	1498	1754	1700	1648	1494	1398	1393	1426	1322	1197	1212
Deaths under 5 years of age -	682	813	765	966	989	913	830	759	688	642	564	504	488
Deaths 5—20 -	114	115	128	136	114	123	124	118	130	152	150	139	123
Deaths 20—40 -	161	171	188	193	167	192	151	167	182	186	213	168	174
Deaths 40—60 -	189	187	187	214	205	189	177	153	183	201	189	179	207
Deaths 60—80 -	183	177	178	195	186	195	175	160	174	199	167	168	169
Deaths at 80 years & upwards	30	34	52	50	39	36	37	41	36	46	39	39	51
Deaths from Small-pox -	12	13	11	15	11	15	11	10	11	9	12	11	15
" " Measles -	42	41	31	33	30	33	22	15	31	19	16	8	8
" " Scarlet Fever -	80	104	85	130	100	114	118	126	108	129	165	157	167
" " Diphtheria -	6	3	7	7	5	4	9	2	6	5	6	8	7
" " Whooping-cough -	28	24	31	20	26	24	25	17	20	21	15	14	13
" " Typhus fever -	8	9	14	10	8	10	12	7	2	3	6	5	11
" " Enteric (or Typhoid) fever -	12	21	18	22	14	24	23	31	25	29	18	21	22
" " Simple Contag fever -	7	11	7	14	9	9	9	12	9	7	16	19	12
" " Diarrhoea -	192	258	259	385	371	385	289	248	202	156	130	73	46
" " Simple Cholera -	12	10	22	31	46	32	25	9	19	5	3	3	4
" " Phthisis -	149	141	142	148	158	170	153	169	147	163	163	155	151
" " Bronchitis -	56	59	61	65	66	52	45	40	50	71	55	63	83
" " Pneumonia -	41	43	34	43	38	28	38	31	32	44	37	42	41
" " Heart Disease -	60	63	66	52	48	46	52	41	65	54	44	55	49
Mean Temperature of the Air	57·7	65·0	65·7	68·5	64·8	65·8	64·5	60·9	57·3	57·7	57·0	54·0	54·5
Mean Temperature of the Water of the Thames	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air	71	72	67	64	74	81	75	69	67	75	82	82	85
Rain-fall in inches	0·16	0·12	0·80	0·00	0·93	0·15	0·62	0·00	0·70	0·64	1·33	0·21	0·00

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 24th day of September 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 24th Sept.	DEATHS registered during the Week ending 24th Sept.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPER- ATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	5100	2996	76·4	34·0	55·8	13·22	0·01	0·01
LONDON - - -	77,997	3,214,707	41·2	2174	1212	68·9	39·6	54·5	12·50	0·00	0·00
PORTSMOUTH - - -	9,513	122,084	12·8	66	34	70·6	35·2	53·5	11·95	0·00	0·00
NORWICH - - -	7,472	81,087	10·9	50	37	68·5	40·2	53·7	12·06	0·00	0·00
BRISTOL - - -	4,688	171,382	36·6	136	104	—	—	—	—	—	—
WOLVERHAMPTON - -	3,887	72,990	21·5	70	12	71·8	41·2	55·6	13·11	0·00	0·00
BIRMINGHAM - - -	7,831	369,604	47·2	228	124	70·5	39·5	55·0	12·78	0·01	0·01
LEICESTER - - -	3,200	97,427	30·4	75	40	72·2	38·7	55·7	13·16	0·00	0·00
NOTTINGHAM - - -	1,996	88,888	44·5	88	34	71·8	42·6	56·7	13·72	0·00	0·00
LIVERPOOL - - -	5,108	517,567	101·3	362	323	70·0	45·9	57·2	14·00	0·05	0·05
MANCHESTER - - -	4,486	374,993	83·6	272	192	71·8	46·5	57·9	14·39	0·03	0·03
SALFORD - - -	5,172	121,580	23·5	122	71	72·5	44·9	57·8	14·33	0·02	0·02
BRADFORD - - -	6,590	143,197	21·7	159	74	67·6	44·8	56·0	13·33	0·01	0·01
LEEDS - - -	21,572	259,527	12·0	180	129	68·0	44·0	56·4	13·55	0·02	0·02
SHEFFIELD - - -	22,830	247,378	10·8	204	91	70·5	42·0	55·3	12·94	0·00	0·00
HULL - - -	3,562	130,869	36·7	85	35	67·0	34·0	51·5	10·83	0·00	0·00
SUNDERLAND - - -	3,306	100,979	30·5	92	41	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,936	133,367	25·0	122	47	64·0	49·0	55·9	13·28	0·00	0·00
EDINBURGH - - -	4,427	178,970	40·4	127	77	69·7	43·0	57·1	13·94	0·00	0·00
GLASGOW - - -	5,063	468,189	92·5	337	197	69·0	38·5	54·9	12·72	0·00	0·00
DUBLIN - - -	9,745	321,540	33·0	181	122	76·4	39·5	59·1	15·05	0·00	0·00
PARIS - - -	7,802	1,889,842	242	—	—	—	—	—	—	—	—
VIENNA - - -	3,728*	622,087	167	Week ending 17 Sept. 1870.	Week ending 17 Sept. 1870. 284	—	—	57·7	14·25	—	—
BERLIN - - -	6,253	800,000	128	Week ending 22 Sept. 1870.	Week ending 22 Sept. 1870.	—	—	—	—	Week ending 22d September 1870.	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 24th day of September 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whoop- ing- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	
Total of 17 TOWNS -	22	2600	657	428	18	27	280	14	34	151	210	74	111	3
LONDON - - -	20	1212	247	220	15	8	167	7	13	45	46	43	57	1
PORTSMOUTH - - -	15	34	10	7	—	—	—	—	1	4	1	—	—	—
NORWICH - - -	24	37	12	7	—	1	3	—	1	2	3	—	—	—
BRISTOL - - -	32	104	27	11	—	—	32	—	1	4	5	6	7	—
WOLVERHAMPTON - -	9	12	1	4	—	—	—	—	—	2	—	—	—	—
BIRMINGHAM - - -	18	124	36	26	—	2	6	1	2	2	17	5	10	—
LEICESTER - - -	21	40	11	5	—	—	5	1	1	2	3	—	—	—
NOTTINGHAM - - -	20	34	13	7	—	—	1	—	—	5	4	1	1	—
LIVERPOOL - - -	33	323	107	51	1	7	31	1	8	27	40	8	13	—
MANCHESTER - - -	27	192	57	26	2	1	2	1	2	12	32	3	12	—
SALFORD - - -	31	71	21	7	—	—	3	1	—	7	10	—	—	—
BRADFORD - - -	27	74	19	9	—	1	10	—	—	9	8	—	—	—
LEEDS - - -	26	129	45	16	—	7	1	—	1	13	22	1	1	—
SHEFFIELD - - -	19	91	19	12	—	—	14	—	2	11	7	4	5	—
HULL - - -	14	35	6	3	—	—	4	1	1	3	4	1	1	—
SUNDERLAND - - -	21	41	11	11	—	—	—	1	1	1	2	2	3	—
NEWCASTLE-ON-TYNE -	18	47	15	6	—	—	1	—	—	2	6	—	1	—
DUBLIN - - -	—	122	29	26	—	—	12	—	3	5	17	4	5	—

TABLE 5.—DEATHS in LONDON Registered in the THIRTY-EIGHTH Week of the Year 1870.

In the Week ending Saturday, September 24, 1870.										In the Week ending Saturday, September 24, 1870.													
Deaths of Persons of the Ages										Deaths of Persons of the Ages													
ALL AGES.		Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.		ALL AGES.		Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.	
Mean Temp.		0-5.		5-20.		20 and under 40.		40 and under 60.		60 and under 80.		Mean Temp.		0-5.		5-20.		20 and under 40.		40 and under 60.		60 and under 80.	
Mean Temperature		56.3		54.5		54.5		54.5		54.5		56.3		54.5		54.5		54.5		54.5		54.5	
ALL CAUSES										ALL CAUSES													
SPECIFIED CAUSES										SPECIFIED CAUSES													
ZYMOTIC DISEASES.										ZYMOTIC DISEASES.													
ORDER 1.										ORDER 1.													
Small-pox										Small-pox													
Measles										Measles													
Scarlet Fever (Scarlatina)										Scarlet Fever (Scarlatina)													
Diphtheria										Diphtheria													
Quinsy										Quinsy													
Croup										Croup													
Whooping-cough										Whooping-cough													
Typhus										Typhus													
Enteric or Typhoid Fever										Enteric or Typhoid Fever													
Simple continued Fever										Simple continued Fever													
Erysipelas										Erysipelas													
Puerperal Fever (Metria)										Puerperal Fever (Metria)													
Carbuncle										Carbuncle													
Influenza										Influenza													
Diarrhoea										Diarrhoea													
Simple Cholera										Simple Cholera													
Ague										Ague													
Remittent Fever										Remittent Fever													
Rheumatism										Rheumatism													
Other Zymotic Diseases										Other Zymotic Diseases													
ORDER 2.										ORDER 2.													
Syphilis										Syphilis													
Stricture of Urethra										Stricture of Urethra													
Hydrophobia										Hydrophobia													
Glanders										Glanders													
ORDER 3.										ORDER 3.													
Privation										Privation													
Want of Breast-milk										Want of Breast-milk													
Purpura and Scoury										Purpura and Scoury													
Alco-1-a Del. Tremens										Alco-1-a Del. Tremens													
Alcohol & Intemperance										Alcohol & Intemperance													
ORDER 4.										ORDER 4.													
Thrush										Thrush													
Worms, &c.										Worms, &c.													
CONSTITUTIONAL DIS.										CONSTITUTIONAL DIS.													
ORDER 1.										ORDER 1.													
Gout										Gout													
Dropsy										Dropsy													
Cancer										Cancer													
Cancerum Oris (Noma)										Cancerum Oris (Noma)													
Mortification										Mortification													
ORDER 2.										ORDER 2.													
Scrofula										Scrofula													
Tabes Mesenterica										Tabes Mesenterica													
Phthisis										Phthisis													
Hydrocephalus										Hydrocephalus													
I. LOCAL DISEASES.										I. LOCAL DISEASES.													
ORDER 1.										ORDER 1.													
Cephalitis										Cephalitis													
Apoplexy										Apoplexy													
Paralysis										Paralysis													
Insanity										Insanity													
Chorea										Chorea													
Epilepsy										Epilepsy													
Convulsions										Convulsions													
Brain Disease, &c.										Brain Disease, &c.													
ORDER 2.										ORDER 2.													
Pericarditis										Pericarditis													
Aneurism										Aneurism													
Heart Disease, &c.										Heart Disease, &c.													
ORDER 3.										ORDER 3.													
Laryngitis										Laryngitis													
Bronchitis										Bronchitis													
Pleurisy										Pleurisy													
Pneumonia										Pneumonia													
Asthma										Asthma													
Lung Disease, &c.										Lung Disease, &c.													
ORDER 4.										ORDER 4.													
Gastritis										Gastritis													
Enteritis										Enteritis													
Peritonitis										Peritonitis													
Ascites										Ascites													
Ulceration of Intestines										Ulceration of Intestines													
Hæmorrhage										Hæmorrhage													
Diarrhoea										Diarrhoea													
Intussusception										Intussusception													
CAUSES OF DEATH.										CAUSES OF DEATH.													
Mean Temperature										Mean Temperature													
9. Stricture of Intestines										9. Stricture of Intestines													
10. Fistula										10. Fistula													
11. Stomach Disease, &c.										11. Stomach Disease, &c.													
12. Pancreas Disease, &c.										12. Pancreas Disease, &c.													
13. Hepatitis										13. Hepatitis													
14. Jaundice										14. Jaundice													
15. Liver Disease, &c.										15. Liver Disease, &c.													
16. Spleen Disease, &c.										16. Spleen Disease, &c.													
ORDER 5.										ORDER 5.													
1. Nephritis										1. Nephritis													
2. Ischuria										2. Ischuria													
3. Bright's Disease (Nephria)										3. Bright's Disease (Nephria)													
4. Diabetes										4. Diabetes													
5. Calculus (Stone)										5. Calculus (Stone)													
6. Cystitis										6. Cystitis													
7. Kidney Disease, &c.										7. Kidney Disease, &c.													
ORDER 6.										ORDER 6.													
1. Ovarian Dropsy										1. Ovarian Dropsy													
2. Uterus Disease, &c.										2. Uterus Disease, &c.													
ORDER 7.										ORDER 7.													
1. Synovitis (Arthritis)										1. Synovitis (Arthritis)													
2. Joint Disease, &c.										2. Joint Disease, &c.													
ORDER 8.										ORDER 8.													
1. Phlegmon										1. Phlegmon													
2. Ulcer										2. Ulcer													
3. Skin Disease, &c.										3. Skin Disease, &c.													
IV. DEVELOPMENTAL DISEASES.										IV. DEVELOPMENTAL DISEASES.													
ORDER 1.										ORDER 1.													
1. Premature Birth										1. Premature Birth													
2. Cyanosis										2. Cyanosis													
3. Spina Bifida										3. Spina Bifida													
4. Other Malformations										4. Other Malformations													
5. Teething										5. Teething													
ORDER 2.										ORDER 2.													
1. Paramenia										1. Paramenia													
2. Childbirth (see Puer- peral Fever)										2. Childbirth (see Puer- peral Fever)													
ORDER 3.										ORDER 3.													
1. Old Age										1. Old Age													
ORDER 4.										ORDER 4.													
1. Atrophy and Debility										1. Atrophy and Debility													
V. VIOLENT DEATHS, &c.										V. VIOLENT DEATHS, &c.													
ORDER 1.										ORDER 1.													
(ACCIDENT OR NEGLIGENCE.)										(ACCIDENT OR NEGLIGENCE.)													
1. Fractures and Contusions										1. Fractures and Contusions													
2. Wounds										2. Wounds													
3. Burns and Scalds										3. Burns and Scalds													
4. Poison										4. Poison													
5. Drowning										5. Drowning													
6. Suffocation										6. Suffocation													
7. Otherwise										7. Otherwise													
ORDER 3.										ORDER 3.													
(HOMICIDE.)										(HOMICIDE.)													
1. Murder and Manslaughter										1. Murder and Manslaughter													
ORDER 4.										ORDER 4.													
(SUICIDE.)										(SUICIDE.)													
1. Wounds { Gunshot										1. Wounds { Gunshot													
2. Poison										2. Poison													
3. Drowning										3. Drowning													
4. Hanging										4. Hanging													
5. Otherwise										5. Otherwise													
ORDER 5.										ORDER 5.													
(EXECUTION.)										(EXECUTION.)													
1. Hanging										1. Hanging													
Violent Deaths (not classed)										Violent Deaths (not classed)													
Sudden Deaths (Cause un- ascertaind)										Sudden Deaths (Cause un- ascertaind)													
Causes not specified or ill- defined										Causes not specified or ill- defined													

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total BIRTHS during the Week.	Total DEATHS during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.*
LONDON		2,803,989	2174	1212	247	220	15	8	167	7	13	11	22	12	46	43	57	177
WEST DISTRICTS		458,125	323	210	35	41	1	1	34	1	-	1	3	3	9	5	8	26
NORTH DISTRICTS		618,210	478	268	45	58	4	-	40	3	2	5	11	2	10	9	12	58
CENTRAL DISTRICTS		383,321	183	153	23	25	2	3	14	1	-	1	3	1	3	10	11	26
EAST DISTRICTS		571,158	489	235	54	39	4	2	22	1	3	2	3	3	8	4	13	34
SOUTH DISTRICTS		773,175	696	346	90	57	4	2	57	1	8	2	2	3	16	15	13	33
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	55	21	5	-	-	-	6	-	-	-	-	-	1	1	1	-
St. John Paddington H		36769	17	8	-	4	-	-	-	-	-	-	-	-	-	1	1	2
Kensington Town W		51910	69	34	6	8	1	-	6	-	-	-	1	-	2	-	1	5
Brompton H		18198	12	10	3	3	-	-	-	-	-	-	-	-	-	-	-	3
St. Peter Hammersmith		5415	8	3	-	1	-	-	1	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H		19104	15	11	1	1	-	-	5	1	-	-	-	-	1	-	1	-
Fulham W		15539	14	15	3	5	-	-	-	-	-	-	-	-	1	-	-	-
Chelsea South H		21654	14	9	-	1	-	-	2	-	-	-	-	1	1	-	2	1
Chelsea North-west HW		19899	15	17	5	1	-	-	6	-	-	-	-	1	1	-	-	4
Chelsea North-east		21886	13	7	1	3	-	-	-	-	-	1	-	-	-	-	-	-
Hanover Square		19773	5	3	1	-	-	-	-	-	-	-	-	-	1	-	-	-
May Fair W		12885	3	5	2	-	-	-	-	-	-	-	-	-	1	1	-	-
Belgrave H		35113	23	22	4	5	-	-	2	-	-	-	-	-	1	1	-	4
St. John Westminster H		37483	31	10	-	3	-	1	-	-	-	-	-	-	-	-	-	-
St. Margaret Westminster WH		30730	16	18	1	3	-	-	4	-	-	-	-	-	-	-	-	6
St. James's Square		10753	1	3	-	1	-	-	-	-	-	1	-	-	-	-	-	1
Golden Square W		13966	3	2	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Berwick-street		10607	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Anne Soho		17426	10	9	2	1	-	-	1	-	-	-	1	-	-	1	2	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	16	9	1	2	-	-	-	-	1	-	1	-	-	1	1	4
Cavendish Square		15099	5	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W		26992	12	18	2	7	-	-	2	-	-	-	-	-	-	-	-	8
St. Mary Marylebone H		22493	14	5	2	1	-	-	-	1	-	-	-	-	-	-	-	-
Christchurch Marylebone		34913	14	10	3	2	-	-	1	-	-	-	-	-	1	-	-	-
St. John Marylebone		32540	23	14	3	5	-	-	3	-	-	-	-	-	1	-	-	-
Hampstead WH		19106	14	8	-	1	-	-	-	1	-	-	-	-	-	-	-	-
Regent's Park Panoras		34927	28	6	1	2	-	-	1	-	-	-	-	-	-	1	1	-
Tottenham-court WH		29371	16	21	1	5	-	-	4	-	-	-	1	-	-	-	1	11
Gray's Inn Lane H		27808	16	8	2	1	-	-	-	-	-	-	-	-	2	-	2	3
Somers Town		39099	24	16	2	-	-	-	6	-	-	1	1	-	2	-	1	6
Camden Town W		23266	17	13	1	4	-	-	2	-	-	-	1	-	-	-	-	-
Kentish Town		44317	59	31	9	6	-	-	5	-	-	-	2	-	1	-	-	-
Islington West* WHH		75442	61	35	7	6	4	-	4	-	-	4	4	-	4	-	16	2
Islington East W		79899	84	30	5	6	-	-	8	1	-	-	-	-	-	1	1	2
Stoke Newington		6608	4	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Stamford Hill		5485	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney		24955	17	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hackney WHW		31481	31	19	3	6	-	-	1	-	-	-	1	-	-	-	-	8
South Hackney L		15458	20	12	2	3	-	-	2	1	-	-	1	1	1	-	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17892	7	6	1	1	-	-	-	-	-	-	-	-	-	1	-	5
St. Giles South WH		19483	7	15	1	1	-	1	3	-	-	-	-	-	1	-	2	-
St. Giles North		17201	10	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Acre		11618	6	6	2	2	-	-	-	-	-	-	1	-	-	1	2	-
Charing Cross WH		11071	7	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary-le-Strand		10846	6	4	3	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Clement Danes H		15207	5	10	1	-	-	-	2	-	-	-	1	-	-	3	2	5
St. George-the-Martyr H		19903	16	6	-	1	-	-	-	-	-	1	-	-	-	-	-	-
St. Andrew East Holborn W		12947	2	10	1	2	-	-	1	-	-	-	-	-	-	-	1	6
Saffron Hill		12012	5	3	-	1	-	-	-	-	-	-	1	-	-	-	-	-
St. James Clerkenwell W		19152	11	7	-	-	-	1	-	-	-	-	-	-	-	-	-	2
Amwell Clerkenwell		17250	10	5	1	2	-	-	-	-	-	-	-	-	-	-	1	-
Pentonville		13976	6	5	1	2	-	-	1	-	-	-	-	-	1	1	-	-
Goodwell-street		16230	9	6	1	1	-	-	-	-	-	-	-	1	1	-	-	-
Old-street		11504	4	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
City-road HL		17860	13	6	-	1	1	-	2	-	-	-	-	-	-	-	-	-
Whitecross-street		14778	16	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury		12931	5	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Botolph East London		20990	5	5	2	1	1	-	-	-	-	-	-	-	-	-	-	-
Cripplegate		19697	9	10	-	4	-	-	2	-	-	-	-	-	-	-	1	6
St. Sepulchre WH		11750	2	9	1	1	-	-	1	1	-	-	-	-	-	-	-	-
St. Bride W		15395	9	6	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Castle Baynard		7762	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Christchurch		9020	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8870	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking		8659	1	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street		11544	3	3	-	1	-	-	-	-	-	-	-	-	-	1	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHThERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 24th September 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	The DEATHS registered in the Week include												
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																	
Holywell Shoreditch	-	17313	8	4	1	1	-	-	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch	L†	19138	14	7	3	1	-	-	-	-	-	-	-	-	-	-	-
Hoxton New Town	W	26316	20	15	6	1	-	-	-	-	-	-	-	-	-	-	-
Hoxton Old Town	-	23777	30	6	2	-	-	-	-	-	-	-	-	-	-	-	-
Haggerstone West	W	23260	22	10	6	1	-	-	-	-	-	-	-	-	-	-	-
Haggerstone East	-	17310	25	9	1	2	-	-	-	-	-	-	-	-	-	-	-
Hackney-road	-	26298	24	9	3	1	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green	WHL†	31789	31	14	2	3	-	-	-	-	-	-	-	-	-	-	-
Church, Bethnal Green	-	25528	19	8	1	1	-	-	-	-	-	-	-	-	-	-	-
Town, Bethnal Green	-	21486	18	8	1	2	-	-	-	-	-	-	-	-	-	-	-
Artillery Whitechapel	-	6557	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Spitalfields	-	15700	4	6	2	1	-	-	-	-	-	-	-	-	-	-	-
Mile End New Town	W	15392	9	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel North	-	12122	16	4	3	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church	H	8062	8	12	2	2	-	-	-	-	-	-	-	-	-	-	-
Goodman's Fields	-	11166	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Alidgate	-	9971	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary St. George East	-	18181	9	4	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul St. George East	-	21015	11	8	2	1	-	-	-	-	-	-	-	-	-	-	-
St. John St. George East	W	9695	9	6	1	1	-	-	-	-	-	-	-	-	-	-	-
Shadwell	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratcliff	WH	12337	8	5	1	1	-	-	-	-	-	-	-	-	-	-	-
Limehouse	W	16874	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	27161	16	8	-	1	-	-	-	-	-	-	-	-	-	-	-
Mile End Old Town West	-	33747	32	18	3	4	-	-	-	-	-	-	-	-	-	-	-
Mile End Old Town East	Ww	33317	47	32	10	6	3	-	-	-	-	-	-	-	-	-	-
Bow	WwL†	35667	54	22	5	5	-	-	-	-	-	-	-	-	-	-	-
Poplar	W	43529	36	12	2	2	-	-	-	-	-	-	-	-	-	-	-
SOUTH DISTRICTS.																	
Christchurch Southwark	W	17069	13	8	4	1	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark	H	19101	6	4	2	1	-	-	-	-	-	-	-	-	-	-	-
Kent-road	-	19652	11	8	3	-	-	-	-	-	-	-	-	-	-	-	-
Borough-road	W	16698	19	16	6	3	-	-	-	-	-	-	-	-	-	-	-
London-road	L	19190	12	10	3	1	-	-	-	-	-	-	-	-	-	-	-
Trinity Newington	-	22675	22	8	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Peter Walworth	W	44463	27	13	5	3	-	-	-	-	-	-	-	-	-	-	-
St. Mary Newington	H	15082	12	8	1	4	-	-	-	-	-	-	-	-	-	-	-
St. Olave Southwark	H	7663	1	8	-	1	-	-	-	-	-	-	-	-	-	-	-
St. John Horsleydown	W	11393	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Leather Market	-	16696	14	7	3	3	-	-	-	-	-	-	-	-	-	-	-
St. Mary Magdalen	W	16505	12	4	1	2	-	-	-	-	-	-	-	-	-	-	-
St. James Bermondsey	-	25154	45	6	2	1	-	-	-	-	-	-	-	-	-	-	-
Rotherhithe	W	24502	18	11	2	4	1	-	-	-	-	-	-	-	-	-	-
Waterloo-road 1st	-	13269	7	6	3	-	-	-	-	-	-	-	-	-	-	-	-
Waterloo-road 2nd	H	18640	11	5	2	-	-	-	-	-	-	-	-	-	-	-	-
Lambeth Church 1st	-	19839	16	7	3	1	-	-	-	-	-	-	-	-	-	-	-
Lambeth Church 2nd	W	29542	35	23	8	4	-	-	-	-	-	-	-	-	-	-	-
Kennington 1st	-	30785	34	11	1	1	-	-	-	-	-	-	-	-	-	-	-
Kennington 2nd	-	20440	21	7	2	1	-	-	-	-	-	-	-	-	-	-	-
Brixton	-	20967	23	4	1	-	-	-	-	-	-	-	-	-	-	-	-
Norwood	W	7462	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Clapham	-	20694	11	8	2	1	-	-	-	-	-	-	-	-	-	-	-
Battersea	W	19600	45	25	6	4	-	-	-	-	-	-	-	-	-	-	-
Vandsworth	L	13346	8	10	3	2	-	-	-	-	-	-	-	-	-	-	-
Tunney	-	6481	6	2	-	1	-	-	-	-	-	-	-	-	-	-	-
Streatham	-	10082	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Dulwich	-	1723	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell	WwL†	21297	26	10	-	5	-	-	-	-	-	-	-	-	-	-	-
Peckham	W	28135	27	15	6	1	3	-	-	-	-	-	-	-	-	-	-
St. George Camberwell	-	20333	28	11	3	3	-	-	-	-	-	-	-	-	-	-	-
St. Paul Deptford	-	37834	31	21	4	2	-	-	-	-	-	-	-	-	-	-	-
St. Nicholas Deptford	-	8139	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West	H	21696	22	13	1	2	-	-	-	-	-	-	-	-	-	-	-
Greenwich East	WH	18306	11	14	2	1	-	-	-	-	-	-	-	-	-	-	-
Iltham	-	3009	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ce	-	11093	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-
ewisham Village	W	7372	9	4	-	1	-	-	-	-	-	-	-	-	-	-	-
aydenham	-	10595	20	3	-	-	-	-	-	-	-	-	-	-	-	-	-
arlton	H	9276	10	5	1	1	-	-	-	-	-	-	-	-	-	-	-
oolwich Dockyard	H	22919	9	2	1	-	-	-	-	-	-	-	-	-	-	-	-
oolwich Arsenal	H	18776	18	5	2	1	-	-	-	-	-	-	-	-	-	-	-
umstead West	-	7	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
umstead East	-	24502	7	9	2	1	-	-	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district. Holborn Workhouse is in Hoxton New Town sub-district.
 The Strand " " " " Mile End Old Town Eastern sub-dist. and
 London City " " " " Bow sub-district.
 Do. do. " " " " Hackney sub-district. Stepney " " " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 24th SEPTEMBER, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.						
Phases of Moon.		Mean daily reading (corrected to 32 deg. Fahr. height).		Dry.			Mean daily value.		Mean daily value.		Lowest in the sun, as shown by a self-registering thermometer with bulb in vacuo placed on the Grass.		Lowest on the Grass.		In the Water of Greenwich, by self-registering Thermometers. (Highest, Lowest.)		Between Dew Point and Air Temperature.		Between mean temperature of the day and mean temperature of the same day on an average by 100.		Degree of humidity, complete saturation being 100.		As deduced from Anemometers.		Collected in Gauge whose receiving surface is above the ground.			
				High-est.		Low-est.		Range in day.		Mean daily value.		Mean daily value.		Minimum Thermometer.				Greatest value.		Least.		Pressure on square foot.		Oster's.		Robertson's.		

NOTES.

SKY AND ATMOSPHERE.

ELECTRICITY.

DATE.		ELECTRICITY.		SKY AND ATMOSPHERE.		NOTES.	
SEPTEMBER.							
SUNDAY . 18							
MONDAY . 19							
TUESDAY . 20							
WEDNESDAY . 21							
THURSDAY . 22							
FRIDAY . 23							
SATURDAY . 24							

The height of the cistern of the barometer is considered to be 153 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results of the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1853, December 31, than the average. In reading the 17th column it will be borne in mind that it is read "higher," and "lower," applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 30.19 in. at the beginning of the week to 30.15 in. by noon on the 18th; increased to 30.20 in. by 9h. A.M. on the 19th; decreased to 30.18 in. by 3h. P.M. on the 20th; increased to 30.20 in. by 9h. A.M. on the 21st; decreased to 30.15 in. by noon on the 24th; and was 30.18 in. by the end of the week.

Generally cloudy. Very gloomy throughout the morning.

Generally cloudy till evening, then cloudless. Dew.

Slight fog in the morning; sky cloudless throughout the day.

Much dew.

Cloudless generally. Haze and thin fog prevailed throughout the day.

A fine day; light clouds prevailed during the morning; cloudless afterwards.

A very fine day; cloudless throughout. Heavy dew.

Slight fog in the early morning hours; very fine and cloudless throughout the day. A very fine display of aurora borealis at eight, and the magnets were greatly disturbed.

The electrical apparatus was under repair throughout the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 39. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, OCTOBER 1. [Price 1d.

*General Register Office, Somerset House,
3d October 1870.*

DURING the week ending Saturday the 1st instant, 5187 *births* and 3026 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 22 deaths annually to every 1000 of the present estimated population. The mean of the annual rates for the four preceding weeks was 24 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS were as follow :—Liverpool 30 per 1000, Bradford 23, Manchester 22, Salford 22, London 21, Birmingham 16, Newcastle-upon-Tyne 19, Leeds 28, Portsmouth 14, Sheffield 21, Hull 27, Wolverhampton 17, Bristol 26, Nottingham 22, Sunderland 18, Leicester 30, Norwich 34. Scarlet fever caused 303 deaths in the 17 towns, against 280 in the preceding week; 21 out of 87 deaths in Bristol, 14 out of 56 in Leicester, resulted from that disease. Fever (typhus, typhoid, relapsing, or simple continued) prevails extensively in several of the towns; the annual rate of mortality from fever during the last 13 weeks has been in Leeds 20 per 10,000 of the population, in Bradford 20, Sheffield 18, Liverpool 16, Salford 13, Bristol 12, Manchester 11, Birmingham 7, and London 7. Not a single death from small-pox occurred last week in either of the towns except London; out of an aggregate of 190 deaths registered from this disease in all the towns during the last 13 weeks, 157 occurred in the Metropolis, 13 in Manchester, 9 in Liverpool, 4 in Salford, 4 in Newcastle-upon-Tyne, 1 in Bradford, 1 in Leeds, and 1 in Sheffield.

In Edinburgh the annual rate of mortality last week was 18 per 1000 persons living, in Glasgow 20 per 1000, and in Dublin 23.

In Vienna the annual rate of mortality during the week ending the 24th ultimo was 22 per 1000. In the City of Bombay the deaths registered during the week ending 6th September were 304 (exclusive of still-born), and the mortality was at the annual rate of 19 per 1000.

In LONDON the *births* of 1099 boys and 1117 girls, in all 2216 children, were registered last week. The *deaths* registered in the same time were 1277. During the corresponding weeks of ten previous years the registered births averaged 1990, and the deaths 1237 per week; after making due allowance for increase of population, the average for the past week is estimated at 2189 births and 1361 deaths; the registered births, therefore, were 27 above, and the deaths 84 below, the estimated average.

Zymotic diseases caused 366 deaths, including 13 from small-pox, 14 from measles, 171 from scarlet fever, 10 from diphtheria, 15 from croup, 13 from whooping-cough, 14 from typhus, 22 from enteric (or typhoid) fever, 10 from simple continued fever, 8 from erysipelas, and 37 from diarrhoea.

From "simple cholera" one death was registered.

Small-pox caused 2 out of 6 deaths in the St. Mary sub-district of St. George-in-the-East; the registrar states that "small-pox is still prevalent in the neighbourhood."

At the beginning of the quarter just now closed, the deaths from scarlet fever averaged about 100 per week ; since then the fatality of the disease has steadily increased up to its present average of 165 deaths per week. It caused 11 out of 23 deaths last week in the sub-district of Battersea.

Fifty-one deaths resulted from violence : of these 38 were accidental, including 15 by fractures, 3 by drowning, 8 (infants) by suffocation, and 6 by burns or scalds, among which latter were the four persons burnt to death by the house taking fire in Liverpool-street, City, on the 27th ultimo. Six suicides were registered.

One fatal accident caused by horses or vehicles in the streets was returned last week : An engineer's son, aged 15 years, died on 27th ultimo, at Mintern-street, Hoxton, of injuries from being run over by a two-horse van.

In the Public Institutions of the Metropolis 203 deaths were registered ; of these 109 occurred in Workhouses, 59 in General Hospitals, 26 in Hospitals for special diseases, 3 in Military and Naval Hospitals, 2 in Hospitals and Asylums for Foreigners, and 4 in Lunatic Asylums.

The chief meteorological features of the week as recorded at the Royal Observatory, Greenwich, were as follow :—Mean reading of the *barometer* 30·188 in. ; the highest was 30·40 in. on Saturday morning, and the lowest was 30·00 in. on Monday. The mean temperature of the *air* was 55°·7, or 1°·4 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 71°·9 on Wednesday ; the lowest night temperature was 37°·4 on Sunday ; the entire range of temperature in the week was, therefore, 34°·5. The highest temperature in the sun was 125°·3 on Monday. The mean temperature was 3°·3 below the average on Sunday, and above the average on every other day of the week. The difference between the mean *dew-point* temperature and *air* temperature was 5°·2. The mean degree of *humidity* of the air was 83, complete saturation being represented by 100. No *rain* fell during the week. The general direction of the *wind* was N.E., E.N.E., and E. ; and the horizontal movement of the air amounted to 7 miles per hour.

The total rain-fall at Greenwich during the month of September was 1·63 in., the average for the same month in 54 years having been 2·4 in. The total fall during the nine completed months of the present year has been 10·9 in., the average fall for the corresponding period in 54 years having been 18·3 in. In the Septembers of 1868, 1862, and 1861, the fall was almost exactly the same in amount as during the past month.

The mean temperature of the week in the other large English towns furnishing returns ranged from 49°·4 in Hull, to 56°·6 in Norwich ; the lowest recorded night temperature was 33°·0 in Hull, and the highest day temperature in the shade was 75°·1 in Portsmouth. No rain-fall was measured in any of the towns excepting Wolverhampton, where 0·01 in. fell.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 13°·2 ; the highest day temperature in the shade was 22°·2 ; the lowest night temperature was 3°·0 ; the highest temperature in the sun was 51°·8. The mean temperature of the week on an average of 50 years was 12°·4, or 0°·8 below the temperature of last week. The wind blew at the rate of 11 kilometers an hour.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 199,619 cubic metres, and at Barking 187,990 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the THIRTY-NINTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1802	1848	1742	1801	2023	2156	2146	2136	2131	2119	1990·4	2216
Males . . .	909	925	899	948	1062	1066	1057	1122	1062	1076	1012·6	1099
Females . .	893	923	843	853	961	1090	1089	1014	1069	1043	977·8	1117
TOTAL Deaths	1056	1108	1140	1233	1284	1214	1418	1194	1327	1395	1236·9	1277
Males	543	578	575	618	670	616	693	626	664	694	627·7	652
Females	513	530	565	615	614	593	725	568	663	701	609·2	625

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	July 9.	July 16.	July 23.	July 30.	Aug. 6.	Aug. 13.	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.
TOTAL Deaths - - -	1497	1498	1754	1700	1648	1494	1398	1393	1426	1322	1197	1212	1277*
Deaths under 5 years of age -	813	765	966	989	913	830	759	688	642	564	504	488	495
Deaths 5—20 - - -	115	128	136	114	123	124	118	130	152	150	139	123	163
Deaths 20—40 - - -	171	188	193	167	192	151	167	182	186	213	168	174	173
Deaths 40—60 - - -	187	187	214	205	189	177	153	183	201	189	179	207	182
Deaths 60—80 - - -	177	178	195	186	195	175	160	174	199	167	168	169	217
Deaths at 80 years & upwards	34	52	50	39	36	37	41	36	46	39	39	51	47
Deaths from Smallpox - - -	13	11	15	11	15	11	10	11	9	12	11	15	13
" " Measles - - -	41	31	33	30	33	22	15	31	19	16	8	8	14
" " Scarlet Fever -	104	85	130	100	114	118	126	108	129	165	157	167	171
" " Diphtheria - - -	3	7	7	5	4	9	2	6	5	6	8	7	10
" " Whooping-cough -	24	31	20	26	24	25	17	20	21	15	14	13	13
" " Typhus fever - - -	9	14	10	8	10	12	7	2	3	6	5	11	14
" " Enteric (or Typhoid) fever -	21	18	22	14	24	23	31	25	29	18	21	22	22
" " Simple Contag fever -	11	7	14	9	9	9	12	9	7	16	19	12	10
" " Diarrhœa - - -	258	259	385	371	385	289	248	202	156	130	73	46	37
" " Simple Cholera - -	10	22	31	46	32	25	9	19	5	3	8	4	1
" " Phthisis - - -	141	142	148	158	170	153	169	147	163	163	155	151	136
" " Bronchitis - - -	59	61	65	66	52	45	40	50	71	55	63	83	70
" " Pneumonia - - -	43	34	43	38	28	38	31	32	44	37	42	41	56
" " Heart Disease - -	63	66	52	48	46	52	41	65	54	44	55	49	60
Mean Temperature of the Air	65·0	65·7	68·5	64·8	65·3	64·5	60·9	57·3	57·7	57·0	54·0	54·5	55·7
Mean Temperature of the Water of the Thames	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - - -	72	67	64	74	81	75	69	67	75	82	82	85	83
Rain-fall in inches - - -	0·12	0·80	0·00	0·93	0·15	0·62	0·00	0·70	0·64	1·33	0·21	0·00	0·00

* The returns for the sub-districts of Streatham and Woolwich Arsenal were not received when the tables were under preparation, but averages of 3 and 7 respectively, derived from the returns of six previous weeks, are substituted for the true numbers, which are 4 for Streatham, and 4 for Woolwich Arsenal.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer, of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 1st day of October 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 1st Oct.	DEATHS registered during the Week ending 1st Oct.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	5187	3026	75·1	33·0	54·7	12·61	0·00	0·00
LONDON - - -	77,997	3,214,707	41·2	2216	1277	71·9	37·4	55·7	13·16	0·00	0·00
PORTSMOUTH - -	9,513	122,084	12·8	64	32	75·1	33·5	54·8	12·66	0·00	0·00
NORWICH - - -	7,472	81,087	10·9	52	53	71·7	43·2	56·6	13·66	0·00	0·00
BRISTOL - - -	4,688	171,382	36·6	113	87	—	—	—	—	—	—
WOLVERHAMPTON -	3,387	72,990	21·5	45	24	71·2	40·2	54·5	12·50	0·01	0·03
BIRMINGHAM - -	7,831	369,604	47·2	222	110	73·6	37·0	55·6	13·11	0·00	0·00
LEICESTER - - -	3,200	97,427	30·4	66	56	73·2	36·2	54·9	12·72	0·00	0·00
NOTTINGHAM - -	1,996	88,888	44·5	68	38	73·7	37·0	55·5	13·05	0·00	0·00
LIVERPOOL - - -	5,108	517,567	101·3	345	301	70·4	44·8	55·9	13·28	0·00	0·00
MANCHESTER - -	4,486	374,993	83·6	283	159	73·5	37·0	54·4	12·44	0·00	0·00
SALFORD - - -	5,172	121,580	23·5	93	50	75·0	38·9	55·9	13·28	0·00	0·00
BRADFORD - - -	6,590	143,197	21·7	130	64	68·5	43·0	55·3	12·94	0·00	0·00
LEEDS - - -	21,572	259,527	12·0	319	138	70·0	42·0	54·5	12·50	0·00	0·00
SHEFFIELD - - -	22,830	247,378	10·8	189	98	71·0	37·0	53·0	11·67	0·00	0·00
HULL - - -	3,562	130,869	36·7	72	67	67·0	33·0	49·4	9·66	0·00	0·00
SUNDERLAND - -	3,306	100,979	30·5	129	34	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	128	49	64·0	43·0	52·0	11·11	0·00	0·00
EDINBURGH - - -	4,427	178,970	40·4	109	63	68·7	42·0	56·0	13·33	0·00	0·00
GLASGOW - - -	5,063	468,189	92·5	378	182	66·8	38·5	53·9	12·17	0·00	0·00
DUBLIN - - -	9,745	321,540	33·0	166	144	71·9	38·8	56·5	13·61	0·00	0·00
PARIS - - -	7,802	1,889,842	242	—	—	—	—	—	—	—	—
VIENNA - - -	3,728*	622,087	167	Week ending 24 Sept. 1870.	Week ending 24 Sept. 1870. 265	—	—	52·5	11·38	—	—
BERLIN - - -	6,253	800,000	128	Week ending 29 Sept. 1870.	Week ending 29 Sept. 1870.	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 1st day of October 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
Total of 17 TOWNS -	22	2637	606	479	13	30	303	14	29	151	150	104	173	366
LONDON - - -	21	1277	243	264	13	14	171	10	13	46	37	51	81	203
PORTSMOUTH - -	14	32	4	8	—	—	3	—	—	1	2	4	4	2
NORWICH - - -	34	53	14	13	—	1	6	—	1	4	3	—	4	1
BRISTOL - - -	26	87	18	22	—	—	21	—	—	5	3	3	3	15
WOLVERHAMPTON -	17	24	8	4	—	1	1	—	—	1	—	3	3	8
BIRMINGHAM - -	16	110	31	22	—	—	10	—	—	5	9	8	9	11
LEICESTER - - -	30	56	15	5	—	2	14	2	3	1	3	1	2	2
NOTTINGHAM - -	23	38	3	3	—	—	1	—	—	9	3	—	—	6
LIVERPOOL - - -	30	301	98	49	—	3	34	—	8	22	21	12	27	43
MANCHESTER - -	22	159	45	26	—	—	8	—	1	10	20	11	16	32
SALFORD - - -	22	50	15	5	—	—	2	—	—	1	9	1	5	9
BRADFORD - - -	23	64	17	5	—	1	9	—	—	4	6	1	3	—
LEEDS - - -	28	138	35	19	—	6	4	1	3	15	15	2	3	15
SHEFFIELD - - -	21	98	19	17	—	1	7	1	—	17	6	2	2	6
HULL - - -	27	67	17	8	—	1	10	—	—	8	4	3	3	7
SUNDERLAND - -	18	34	10	4	—	—	—	—	—	1	7	—	3	2
NEWCASTLE-ON-TYNE	19	49	14	5	—	—	2	—	—	1	2	2	5	4
DUBLIN - - -	23	144	37	29	—	2	11	1	2	6	13	4	4	37

TABLE 5.—DEATHS IN LONDON Registered in the THIRTY-NINTH Week of the Year 1870. *

CAUSES OF DEATH.		Averages of the Thirty-ninth Week in the 10 years 1860-69.	In the Week ending Saturday, October 1, 1870.								CAUSES OF DEATH.		Averages of the Thirty-ninth Week in the 10 years 1860-69.	In the Week ending Saturday, October 1, 1870.							
			Deaths of Persons of the Ages											Deaths of Persons of the Ages							
			ALL AGES.	Under 20.		20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.					ALL AGES.	Under 20.		20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	
				Mean Tem.	0-5.										5-20.	Mean Tem.					0-5.	5-20.
Mean Temperature -		55° 0	55° 7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature -		55° 0	55° 7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES -		1236° 9	1277° 4	490	100	171	182	217	47												
SPECIFIED CAUSES		1228° 7	1259	485	160	171	179	217	47												
I. ZYMOTIC DISEASES.																					
ORDER 1.																					
1. Small-pox -		10° 1	13	9	3	1	-	-	-												
2. Measles -		24° 5	14	14	-	-	-	-	-												
3. Scarlet Fever (Scarlatina) -		90° 9	171	102	63	4	1	-	1												
4. Diphtheria -		9° 1	10	4	3	2	-	1	-												
5. Quinsey -		1° 0	-	-	-	-	-	-	-												
6. Croup -		15° 0	15	12	3	-	-	-	-												
7. Whooping-cough -		30° 2	13	13	-	-	-	-	-												
8. Typhus -		14° 1	14	1	4	3	5	1	-												
9. Enteric or Typhoid Fever -		50° 2	22	1	7	8	3	2	1												
10. Simple continued Fever -		-	10	4	1	1	1	2	1												
11. Erysipelas -		7° 2	8	2	-	4	1	-	-												
12. Puerperal Fever (Metria) -		4° 2	7	-	2	4	1	-	-												
13. Carbuncle -		1° 5	-	-	-	-	-	-	-												
14. Influenza -		9° 2	-	-	-	-	-	-	-												
15. Dysentery -		2° 7	1	-	-	-	-	1	-												
16. Diarrhoea -		70° 9	37	31	-	2	2	2	2												
17. Simple Cholera -		21° 6	1	1	-	-	-	-	-												
18. Ague -		5° 1	-	-	-	-	-	-	-												
19. Remittent Fever -		1° 1	-	-	-	-	-	-	-												
20. Rheumatism -		5° 1	11	-	2	5	1	3	-												
21. Other Zymotic Diseases -		-	-	-	-	-	-	-	-												
ORDER 2.																					
1. Syphilis -		6° 7	9	5	1	3	-	-	-												
2. Stricture of Urethra -		9° 9	1	-	-	1	-	-	-												
3. Hydrophobia -		2° 2	-	-	-	-	-	-	-												
4. Glanders -		-	-	-	-	-	-	-	-												
ORDER 3.																					
1. Privation -		8° 6	-	-	-	-	-	-	-												
2. Want of Breast-milk -		8° 0	4	4	-	-	-	-	-												
3. Purpura and Scoury -		1° 4	2	1	-	1	-	-	-												
4. Alco- & Del. Tremens -		3° 7	2	-	-	1	-	1	-												
5. Intemperance -		1° 3	1	-	-	-	1	1	-												
ORDER 4.																					
1. Thrush -		5° 5	-	-	-	-	-	-	-												
2. Worms, &c. -		1° 1	-	-	-	-	-	-	-												
II. CONSTITUTIONAL DIS.																					
ORDER 1.																					
1. Gout -		1° 1	1	-	-	-	-	1	-												
2. Dropsy -		11° 5	14	5	-	3	6	-	-												
3. Cancer -		29° 1	30	-	-	6	13	10	1												
4. Cancerum Oris (Noma) -		7° 7	-	-	-	-	-	-	-												
5. Mortification -		2° 5	2	-	-	-	1	1	-												
ORDER 2.																					
1. Scrofula -		9° 0	11	8	2	-	1	-	-												
2. Tabes Mesenterica -		24° 1	21	19	2	-	-	-	-												
3. Phthisis -		143° 2	186	3	18	71	36	8	-												
4. Hydrocephalus -		22° 0	16	9	7	-	-	-	-												
III. LOCAL DISEASES.																					
ORDER 1.																					
1. Cephalitis -		12° 0	14	7	5	-	1	1	-												
2. Apoplexy -		29° 7	32	2	1	1	9	15	4												
3. Paralysis -		23° 2	22	-	-	8	12	2	2												
4. Insanity -		1° 1	3	-	-	1	-	-	-												
5. Chorea -		1° 3	-	-	-	-	-	-	-												
6. Epilepsy -		6° 3	5	-	3	2	-	-	-												
7. Convulsions -		40° 4	33	33	-	-	-	-	-												
8. Brain Disease, &c. -		12° 5	20	2	1	1	6	9	1												
ORDER 2.																					
1. Pericarditis -		3° 1	4	-	1	2	1	-	-												
2. Aneurism -		2° 6	2	-	2	-	-	-	-												
3. Heart Disease, &c. -		52° 2	60	1	4	11	21	22	1												
ORDER 3.																					
1. Laryngitis -		4° 2	4	2	1	-	1	1	-												
2. Bronchitis -		68° 3	70	32	3	1	3	27	4												
3. Pleurisy -		2° 4	4	-	-	1	2	1	-												
4. Pneumonia -		57° 7	56	32	4	5	9	6	-												
5. Asthma -		5° 5	3	-	1	2	-	-	-												
6. Lung Disease, &c. -		10° 8	14	4	-	3	3	4	-												
ORDER 4.																					
1. Gastritis -		2° 3	2	-	1	-	1	1	-												
2. Enteritis -		6° 4	6	3	1	-	1	1	-												
3. Peritonitis -		3° 9	5	-	2	2	1	-	-												
4. Ascites -		3° 1	1	-	1	-	-	-	1												
5. Ulceration of Intestines -		2° 4	1	-	1	-	-	-	-												
6. Hernia -		2° 6	3	-	-	1	2	-	-												
7. Ileus -		2° 4	-	-	-	-	-	-	-												
8. Intussusception -		5° 5	-	-	-	-	-	-	-												

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

† An average of 10 is added without distinction of ages. See note *, page 329.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																	
REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
LONDON	2,803,989	2216	1277	243	264	13	14	171	10	13	14	22	10	37	51	81	203
WEST DISTRICTS.																	
St. Mary Paddington WH	39015	30	23	6	5	-	-	2	-	-	-	1	-	-	1	1	4
St. John Paddington H	36769	16	7	1	2	-	-	-	-	-	-	-	-	1	2	2	-
Kensington Town W	61910	43	23	5	3	-	1	8	1	-	-	-	-	1	2	3	-
Brompton H	18198	13	16	1	2	-	-	5	-	-	-	-	-	1	-	-	5
St. Peter Hammersmith	5415	15	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H	19104	21	13	2	3	-	-	1	-	1	-	-	-	1	-	1	-
Fulham W	15539	24	11	2	2	-	-	-	-	-	-	-	-	-	1	1	2
Chelsea South H	21654	21	6	-	1	-	-	2	-	-	-	-	-	-	1	-	-
Chelsea North-west HW	19899	15	11	1	3	-	-	5	1	-	-	1	-	-	1	1	1
Chelsea North-east	21886	12	8	2	3	-	-	-	-	-	-	-	-	1	-	1	-
Hanover Square	19773	6	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-
May Fair W	12885	8	3	1	-	-	-	-	-	-	-	1	-	-	3	3	11
Belgrave H	55113	43	24	3	5	-	-	3	-	-	-	-	-	-	-	-	-
St. John Westminster H	37483	20	14	4	2	-	1	3	-	-	-	-	-	1	-	-	7
St. Margaret Westminster WH	30730	7	13	1	3	-	-	1	-	-	-	-	-	-	-	-	-
St. James's Square	10753	5	3	-	-	-	-	1	1	-	-	-	-	-	-	-	4
Golden Square W	13066	13	8	-	3	-	-	2	-	-	-	-	1	-	-	-	-
Berwick-street	10607	7	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Anne Soho	17426	14	13	4	8	-	-	-	-	1	-	-	-	-	-	-	-
NORTH DISTRICTS.																	
All Souls Marylebone H	20652	18	7	1	2	-	-	2	-	-	-	1	-	-	-	-	2
Cavendish Square	13090	4	5	2	2	-	-	-	-	-	-	-	-	2	-	-	-
Rectory Marylebone W	20692	17	17	3	9	-	-	-	2	-	-	-	-	-	-	-	9
St. Mary Marylebone H	22493	13	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Christchurch Marylebone	34913	28	13	4	3	-	-	1	-	-	-	-	-	-	1	1	-
St. John Marylebone	32540	22	6	2	1	-	-	-	-	-	-	-	-	-	1	2	-
Hampstead WH	19106	21	3	1	1	-	-	-	-	-	-	-	-	-	-	-	1
Regent's Park Pancras	34927	26	13	-	4	-	-	3	-	-	-	-	-	-	2	2	-
Tottenham-court WH	22771	14	9	2	-	-	1	1	-	-	-	-	-	1	1	2	3
Gray's Inn Lane H	27808	17	14	2	4	-	-	-	-	-	-	1	-	-	-	1	2
Somers Town	30099	16	17	2	5	-	1	5	1	-	-	1	-	-	2	6	6
Camden Town W	23266	6	10	2	6	1	-	-	-	-	1	-	-	1	-	-	-
Kentish Town	44317	56	27	6	4	1	-	10	-	-	-	-	-	-	-	-	-
Islington West* WHH	75442	82	54	4	5	5	1	8	-	6	4	1	-	2	2	3	21
Islington East Ww	79899	67	26	4	5	-	1	6	-	-	-	1	-	1	-	1	-
Stoke Newington	6978	9	4	1	2	-	-	-	-	-	-	-	-	1	-	-	-
Stamford Hill	5483	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney	24205	22	12	4	3	-	-	2	-	-	-	-	-	-	-	-	-
Hackney WHw	31481	30	15	3	6	-	-	1	-	1	-	-	-	1	-	2	-
South Hackney L	15438	23	9	2	2	-	-	3	-	-	-	-	-	-	-	-	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury	17392	4	8	1	2	-	-	1	-	-	-	-	-	-	2	1	1
St. Giles South WH	19483	24	11	-	2	-	-	-	-	-	-	-	-	-	1	1	4
St. Giles North	17201	14	11	4	2	-	1	1	-	-	-	1	-	-	-	-	-
Long Acre	11618	10	8	2	1	-	-	-	-	-	-	-	-	-	1	1	2
Charing Cross WH	11071	2	3	-	-	-	-	-	-	-	-	-	-	-	1	1	-
St. Mary-le-Strand	10346	3	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
St. Clement Danes H	15207	8	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. George-the-Martyr H	19903	9	20	1	4	-	-	1	-	-	-	1	-	-	-	-	4
St. Andrew East Holborn W	12947	17	10	1	-	-	-	-	1	-	-	-	-	-	1	1	6
Saffron Hill	12012	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W	19152	17	5	2	1	-	-	1	-	-	-	-	-	1	-	-	1
Amwell Clerkenwell	17250	10	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Pentonville	13073	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goswell-street	16290	9	2	1	-	-	1	1	-	-	-	-	-	-	-	-	-
Old-street	11504	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City-road HL	17860	16	10	1	6	-	-	1	1	1	1	-	-	-	-	1	-
Whitecross-street	14778	8	8	2	-	-	-	2	-	1	-	-	-	-	-	-	-
Finsbury	12381	6	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Botolph East London	20990	8	6	-	-	-	-	-	-	-	-	-	-	-	4	4	-
Cripplegate	19697	10	5	1	2	-	-	-	-	-	-	-	-	-	-	-	10
St. Sepulchre WH	11750	6	13	1	3	-	-	1	1	-	-	-	-	-	-	-	-
St. Bride W	15395	4	2	1	1	-	-	-	-	-	-	-	-	-	-	1	-
Castle Baynard	7762	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch	9020	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe	8570	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking	8659	5	2	-	2	-	-	-	-	-	-	-	-	-	1	1	-
Broad Street	11544	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Saturday, 1st October 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhœa.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																			
Holywell Shoreditch	-	17313	7	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch	L†	19188	14	7	3	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Hoxton New Town	W	26516	33	13	1	4	-	-	-	1	-	-	-	-	-	-	-	-	-
Hoxton Old Town	-	27777	15	11	2	3	-	-	-	-	-	-	-	-	-	1	1	1	-
Haggerstone West	W	23260	19	17	1	3	-	-	-	-	-	-	1	-	-	-	-	-	4
Haggerstone East	-	17510	11	17	8	1	1	-	-	2	-	-	-	-	-	1	2	5	-
Hackney-road	-	26298	34	10	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green	WHL†	31789	39	25	10	7	1	1	-	2	-	-	-	-	-	-	-	-	6
Church, Bethnal Green	-	23228	21	15	5	-	-	1	-	2	-	-	-	-	-	-	-	-	-
Town, Bethnal Green	-	21436	18	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Artillery Whitechapel	-	6557	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spitalfields	-	15700	9	4	-	2	-	-	-	-	-	-	-	-	-	-	1	2	-
Mile End New Town	W	15392	16	13	2	2	-	-	-	-	-	-	-	-	-	-	1	2	-
Whitechapel North	-	12122	7	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church	H	8062	4	10	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Goodman's Fields	-	11166	6	6	3	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Aldgate	-	9971	3	6	3	-	-	-	-	-	-	-	-	-	-	-	1	1	-
St. Mary St. George East	-	18181	14	6	2	3	2	-	-	1	-	-	-	-	-	-	1	1	-
St. Paul St. George East	-	21045	18	10	3	2	-	-	1	-	-	-	-	-	-	-	-	-	-
St. John St. George East	W	9695	5	11	-	2	-	-	-	2	-	-	-	-	-	-	-	1	3
Shadwell W	-	12337	10	6	1	2	-	-	-	-	-	-	-	-	-	-	-	1	-
Ratcliff W H	-	16874	9	7	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Limehouse W	-	27161	36	10	4	3	-	-	-	-	-	-	-	-	-	-	1	-	-
Mile End Old Town West	-	33747	39	16	5	4	-	-	-	1	-	-	-	-	-	-	1	-	-
Mile End Old Town East	W W	39317	65	22	5	7	1	-	-	1	-	-	-	-	-	-	1	-	2
Bow W W L†	-	35667	49	24	4	5	-	-	-	2	-	-	-	-	-	-	-	-	-
Poplar W	-	43529	31	12	1	1	-	-	-	-	-	-	-	-	-	-	-	1	7
SOUTH DISTRICTS.																			
Christchurch Southwark	W	17069	4	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	4
St. Saviour Southwark	H	19101	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kent-road	-	19432	14	6	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Borough-road	W	16908	12	8	1	5	-	-	-	-	-	-	-	-	-	-	-	-	2
London-road	L	19190	11	6	2	2	-	-	-	-	-	1	-	-	-	-	-	-	-
Trinity Newington	-	22675	20	7	1	2	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Peter Walworth	W	44463	53	19	3	8	-	-	-	2	-	-	-	-	-	-	1	-	6
St. Mary Newington	H	15082	15	5	-	2	-	-	-	-	-	-	-	-	-	-	2	1	2
St. Olave Southwark	H	7693	-	8	-	1	-	-	-	-	-	-	-	-	-	-	-	3	6
St. John Horsleydown	W	11393	3	4	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Leather Market	-	16696	16	9	5	2	-	-	-	1	1	-	-	-	-	-	2	-	-
St. Mary Magdalen	W	16505	8	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	2
St. James Bermondsey	-	25154	94	18	3	1	-	-	-	1	-	1	-	1	1	1	1	1	1
Rotherhithe W	-	24502	15	10	2	2	-	-	-	-	-	1	1	-	-	-	1	1	1
Waterloo-road 1st	-	15899	13	12	-	2	-	-	-	1	-	-	1	-	1	-	-	-	-
Waterloo-road 2nd	H	18640	22	4	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Lambeth Church 1st	-	19839	13	7	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Lambeth Church 2nd	W	29542	26	20	2	10	-	-	-	-	-	-	-	-	-	-	-	-	5
Kennington 1st	-	30735	20	14	1	-	1	0	-	1	6	-	-	-	-	-	-	-	-
Kennington 2nd	-	20440	14	6	1	4	-	-	-	1	-	-	-	-	-	-	-	-	-
Brixton	-	20067	27	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Norwood W	-	7462	9	4	-	1	-	-	-	-	-	1	1	-	-	-	-	-	-
Clapham	-	20894	15	17	6	2	-	-	-	3	-	-	-	-	-	-	-	1	-
Battersea W	-	19600	39	23	2	1	-	-	-	11	-	-	-	-	-	-	1	-	3
Wandsworth L	-	13346	11	13	1	4	-	-	-	3	-	-	-	-	-	-	-	-	1
Putney	-	6481	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streatham	-	10032	6	3*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dulwich	-	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell W L† L†	-	21397	22	16	3	5	-	-	-	5	-	-	-	-	-	-	-	-	6
Peckham W	-	21135	21	11	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. George Camberwell	-	20333	21	6	2	-	-	-	-	2	-	-	-	-	-	-	1	-	-
St. Paul Deptford	-	37834	40	18	2	2	-	-	-	6	1	-	-	-	-	-	1	-	-
St. Nicholas Deptford	-	8139	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West	H	21696	16	7	2	1	-	-	-	2	-	-	-	-	-	-	-	-	-
Greenwich East W H	-	18906	14	15	4	5	-	-	-	-	1	-	-	-	-	-	-	-	3
Eltham	-	3009	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee	-	11003	9	3	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-
Lewisham Village	W	7372	10	8	1	-	-	-	-	2	-	-	-	-	-	-	-	-	2
Sydenham	-	10595	16	5	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Charlton H	-	9276	4	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Woolwich Dockyard	H	22919	5	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich Arsenal H	-	18776	12	7*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumstead, West	-	24502	14	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumstead, East	-	24502	15	7	3	-	-	-	-	2	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " " " Tottenham-court sub-district.	London City " " " " Mile End Old Town Eastern sub-dist. and
London City " " " " Islington East.	Stepney " " " " Bow sub-district.
Do. do. " " " " Hackney sub-district.	Stepney " " " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

* The return for the sub-district of Streatham contains the death of a child under one year of age, and the deaths of two persons aged 60 years and upwards. The return for the sub-district of Woolwich Arsenal contains the deaths of two children under one year of age, and one death from whooping-cough.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 1st OCTOBER, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		READINGS OF THERMOMETERS.				DIFFERENCE				WIND.				RAIN.					
Phases of Moon.	Moon.	BAROMETER.		Dew Point.		Between Dew Point and Temperature		Degree of difference of air temperature complete		As deduced from Anemometers.			Collected in a Gauge whose surface is 5 in. above the ground.						
		Mean daily reading reduced to 32 deg. Fahr. (32° Cent. below).	High- est.	Low- est.	Range in day.	Mean daily value.	Mean daily value.	Great- est.	Least.	General Direction.	Pressure on square foot of Air								
											Great- est.	Least.			A. M.	P. M.			
MONTH AND DAY.		HIGHEST IN THE WATER OF GREENWICH, BY REGISTERING THERMOMETER.		LOWEST IN THE WATER OF GREENWICH, BY REGISTERING THERMOMETER.		AIR TEMPERATURE		DEGREE OF DIFFERENCE OF AIR TEMPERATURE COMPLETE		WIND.			Inches.						
MONTH AND DAY.	Moon.	High- est.	Low- est.	Range.	Mean daily value.	Mean daily value.	Great- est.	Least.	Between Dew Point and Temperature	Degree of difference of air temperature complete	As deduced from Anemometers.			Collected in a Gauge whose surface is 5 in. above the ground.					
											Mean daily value.	Mean daily value.			Great- est.	Least.	General Direction.	Pressure on square foot of Air	
																		Great- est.	Least.	A. M.	P. M.
SEPTEMBER.		in.		°		°		°		°		°		Miles.					
SUNDAY . . . 25	New.	30.152	69.1	37.4	31.7	51.5	48.3	°	3.2	°	13.5	°			lbs.	lbs.	Inches.		
												°	°					°	°
MONDAY . . 26	Equator	30.023	70.9	43.8	27.1	55.8	49.8	125.3	35.2	°	17.1	°			0.5	0.0	0.00		
												°	°	°				°	
TUESDAY . . 27	Perigee	30.087	70.2	45.2	25.0	57.3	50.6	124.7	36.8	°	18.5	°		1.6	0.0	0.00			
												°	°				°	°	
WEDNESDAY 28	..	30.152	71.9	48.3	23.6	58.5	55.1	117.5	38.3	°	14.3	°		0.7	0.0	0.00			
												°	°				°	°	
THURSDAY. 29	..	30.227	70.8	46.2	24.6	57.6	53.0	123.6	37.4	°	15.7	°		0.6	0.0	0.00			
												°	°				°	°	
FRIDAY . . . 30	..	30.301	64.0	46.6	17.4	54.2	49.7	113.3	38.0	°	12.6	°		0.9	0.0	0.00			
												°	°				°	°	
SATURDAY. 1	..	30.377	66.8	41.5	25.3	54.7	46.7	120.3	30.2	°	17.1	°		16.0	0.0	0.00			
												°	°				°	°	
MEANS . . .		30.188		69.1		44.1		55.7		50.5		35.4		..		Sum 1192			
No. of Columns		3		4		5		6		7		8		21		24			

DATE.		ELECTRICITY.		SKY AND ATMOSPHERE.		NOTES.	
SEPTEMBER.							
SUNDAY . . . 25							
MONDAY . . . 26							
TUESDAY . . . 27							
WEDNESDAY 28							
THURSDAY . 29							
FRIDAY . . . 30							
SATURDAY . 1							

The height of the eastern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part I, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1838, December 31. * In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 30.18 in. at the beginning of the week to 30.00 in. by 3h. P.M. on the 26th of September; increased to 30.40 in. by 9h. A.M. on the 1st of October; and was 30.38 in. at the end of the week.

Very dense fog prevailed during the morning; cloudless and very fine afterwards. A magnetic disturbance was recorded, and aurora was observed at night.

Foggy during the morning; fine and generally cloudless throughout the day. Faint aurora light at night.

Very foggy during the morning; very fine afterwards; cloudless throughout.

Slightly foggy during the morning; very fine afterwards. Light clouds were occasionally prevalent till the afternoon; cloudless throughout the evening.

Slight fog prevailed during the morning. Very fine and cloudless till evening; afterwards cloudy.

A fine day; partially cloudy.

Dense fog prevailed during the morning hours; very fine afterwards; cloudless throughout.

The electrical apparatus was under repair throughout the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 40. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, OCTOBER 8. [Price 1d.

*General Register Office, Somerset House,
10th October 1870.*

DURING the week ending Saturday the 8th instant, 4497 *births* and 3111 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 22 deaths annually to every 1000 of the present estimated population. The annual rate in each of the three preceding weeks was 22 per 1000.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS were as follow:—Liverpool 33 per 1000, Bradford 21, Manchester 28, Salford 21, London 21, Birmingham 19, Newcastle-upon-Tyne 16, Leeds 24, Portsmouth 16, Sheffield 24, Hull 18, Wolverhampton 13, Bristol 32, Nottingham 23, Sunderland 22, Leicester 28, Norwich 35. Scarlet fever caused 33 out of 106 deaths in Bristol. Dr. Trench states that of 37 deaths from fever in Liverpool 8 were from typhus and 29 from relapsing fever. In Manchester 17, and in Sheffield 18, deaths resulted from fever; in the latter town also 12 deaths were returned from scarlet fever.

In Edinburgh the annual rate of mortality last week was 21 per 1000 persons living, in Glasgow 24 per 1000, and in Dublin 18.

In Vienna the annual rate of mortality during the week ending 1st instant was 32 per 1000. In the City of Bombay the deaths registered during the week ending 13th September were 282 (exclusive of still-born), and the mortality was at the annual rate of 18 per 1000.

In LONDON the *births* of 1068 boys and 1120 girls, in all 2188 children, were registered last week. The *deaths* registered in the same time were 1279. During the corresponding weeks of ten previous years the registered births averaged 1944, and the deaths 1230 per week; after making due allowance for increase of population, the average for the past week is estimated at 2138 births and 1353 deaths; the registered births, therefore, were 50 above, and the deaths 74 below, the estimated average.

Zymotic diseases caused 414 deaths, including 27 from small-pox, 11 from measles, 192 from scarlet fever, 9 from diphtheria, 11 from croup, 16 from whooping-cough, 12 from typhus, 23 from enteric (or typhoid) fever, 19 from simple continued fever, 14 from erysipelas, and 35 from diarrhœa. One death was registered from choleraic diarrhœa. The diarrhœal mortality has now subsided to its ordinary proportions.

The number of deaths registered last week from small-pox was unusually large; 9 of the fatal cases were returned from the sub-district of Islington West, 8 of which occurred in the Small-pox Hospital between the 2d and 8th instant.

The scarlet fever epidemic goes on increasing in fatality, the deaths last week having been 21 in excess of the previous week's return, and the highest number registered during any week since December last. The mortality is greatest in the South, North, and West groups of districts. The disease appears to have settled down like a dark shadow over the Battersea sub-district of Wandsworth, where out of an aggregate of 113 deaths registered from all causes during the last four weeks no less than 53 resulted from scarlet fever.

During the thirteen weeks ending 1st October, 1674 deaths from scarlet fever were registered in London; of these 368 occurred in the West Districts, 427 in the North Districts, 166 in the Central Districts, 169 in the East Districts, and 544 in the South Districts. Relatively to the population these deaths are equivalent to an annual death-rate of 2·1 per 1000 for the whole of London; while for the groups of districts the ratio was 2·7 per 1000 in the West, 2·3 in the North, 1·8 in the Central, 1·1 in the East, and 2·3 in the South districts.

Fifty-two deaths resulted from violence: of these 45 were accidental, including 23 by fractures, 3 by burns or scalds, 8 by drowning, and 7 (infants) by suffocation. Four suicides were registered.

Five fatal accidents caused by horses or vehicles in the streets were returned last week: a tailor, aged 21 years, died on 25th September, at St. George's Hospital, of injuries from being run over by a Hansom cab in Redcliff-road, Fulham; a teacher of languages, aged 45 years, died on 1st October, at Middlesex Hospital, of injuries from being run over by a cab; an omnibus conductor, aged 45 years, died on 24th September, at St. Thomas's Hospital, of injuries from being thrown off a cart which had come in collision with another cart; a boy, aged 4 years, died on 24th September, at Kennington-road, "run over by a Hansom cab accidentally, and instantly killed;" a boy, aged 5 years, died on 1st October, near the Royal Free Hospital, of injuries from being run over by a van.

In the Public Institutions of the Metropolis 203 deaths were registered; of these 93 occurred in Workhouses, 1 in Military and Naval Asylums, 73 in General Hospitals, 24 in Hospitals for special diseases, 6 in Military and Naval Hospitals, 3 in Hospitals and Asylums for Foreigners, and 3 in Lunatic Asylums.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·940 in.; the highest was 30·38 in. at the beginning of the week, and the lowest was 28·92 in. at the end of the week. The mean temperature of the *air* was 54°·1, or 1°·0 above the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 68°·6 on Monday; the lowest night temperature was 43°·6 on Friday; the entire range of temperature in the week was, therefore, 25°·0. The highest temperature in the sun was 124°·0 on Monday. The mean temperature was above the average on Sunday and Monday, below on the next three days, and above on Friday and Saturday, the excess on the latter day being 6°·3. The difference between the mean *dew-point* temperature and *air* temperature was 4°·1. The mean degree of *humidity* of the air was 86, complete saturation being represented by 100. *Rain* fell on Saturday to the amount of 0·20 in.; there had been no rain for 24 days previously. The general direction of the *wind* was variable, and the horizontal movement of the air amounted to 7·3 miles per hour.

The mean temperature of the week in the other large English towns furnishing returns ranged from 47°·8 in Newcastle-on-Tyne to 53°·7 in Birmingham; the lowest recorded night temperature was 33°·4 in Portsmouth, and the highest day temperature in the shade was 76°·2 in Portsmouth. Rain fell in all the towns, the quantities measured ranging from 0·45 in. at Portsmouth and Norwich, to 1·21 in. at Wolverhampton, 1·60 in. at Bradford and Newcastle, 2·09 in. at Manchester, 2·49 in. at Salford, and 3·06 in. at Sheffield.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 12°·3; the highest day temperature in the shade was 20°·3; the lowest night temperature was 6°·4; the highest temperature in the sun was 51°·1. The mean temperature of the week on an average of 50 years was 11°·7, or 0°·6 below the temperature of last week. The wind blew at the rate of 11·7 kilometers an hour, and the rain-fall was 0·51 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 190,099 cubic metres, and at Barking 165,965 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTIETH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1816	1818	1687	1935	1896	2058	2031	2057	1893	2248	1943·9	2188
Males	982	923	832	1037	997	1042	1054	1074	975	1149	1006·5	1068
Females	834	895	855	898	899	1016	977	983	918	1099	937·4	1120
TOTAL Deaths	1075	1147	1229	1274	1263	1193	1344	1182	1229	1367	1230·3	1279
Males	582	603	623	651	637	592	669	627	649	710	634·3	693
Females	493	544	606	623	626	601	675	555	580	657	596·0	586

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	July 16.	July 23.	July 30.	Aug. 6.	Aug. 13.	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.
TOTAL Deaths	1498	1754	1700	1648	1494	1398	1393	1426	1322	1197	1212	1277	1279
Deaths under 5 years of age	765	966	989	913	830	759	683	642	564	504	488	495	526
Deaths 5—20	128	136	114	123	124	118	130	152	150	139	123	163	150
Deaths 20—40	188	193	167	192	151	167	182	186	213	168	174	173	197
Deaths 40—60	187	214	205	189	177	153	183	201	189	179	207	182	203
Deaths 60—80	178	195	186	195	175	160	174	199	167	168	169	217	166
Deaths at 80 years & upwards	52	50	39	36	37	41	36	46	39	39	51	47	37
Deaths from Small-pox	11	15	11	15	11	10	11	9	12	11	15	13	27
" " Measles	31	33	30	33	22	15	31	19	16	8	8	14	11
" " Scarlet Fever	85	180	100	114	118	126	108	129	165	157	167	171	192
" " Diphtheria	7	7	5	4	9	2	6	5	6	8	7	10	9
" " Whooping-cough	31	20	26	24	25	17	20	21	15	14	13	13	16
" " Typhus fever	14	10	8	10	12	7	2	3	6	5	11	14	12
" " Enteric (or Typhoid) fever	16	22	14	24	23	31	25	29	18	21	22	22	23
" " Simple Contagious fever	7	14	9	9	9	12	9	7	16	19	12	10	19
" " Diarrhoea	259	385	371	385	289	248	202	156	130	73	46	37	35
" " Simple Cholera	22	31	46	32	25	9	19	5	3	3	4	1	1
" " Phthisis	142	148	153	170	153	169	147	163	163	155	151	136	146
" " Bronchitis	61	65	66	52	45	40	50	71	55	63	83	70	82
" " Pneumonia	34	43	38	28	38	31	32	44	37	42	41	56	51
" " Heart Disease	66	52	48	46	52	41	65	54	44	55	49	60	66
Mean Temperature of the Air	65·7	68·5	64·8	65·3	64·5	60·9	57·3	57·7	57·0	54·0	54·5	55·7	54·1
Mean Temperature of the Water of the Thames	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air	—	67	64	74	81	75	69	67	75	82	82	85	86
Rain-fall in inches	—	0·80	0·00	0·93	0·15	0·62	0·00	0·70	0·64	1·33	0·21	0·00	0·20

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatier, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S. — W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; E. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereith, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Füller, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 8th day of October 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 8th Oct.	DEATHS registered during the Week ending 8th Oct.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM -	213,281	7,216,325	33·8	4497	3111	76·2	33·4	51·6	10·89	1·18	2·99
LONDON - - -	77,997	3,214,707	41·2	2188	1279	68·6	43·6	54·1	12·28	0·20	0·51
PORTSMOUTH - - -	9,513	122,084	12·8	63	37	76·2	33·4	51·7	10·94	0·45	1·15
NORWICH - - -	7,472	81,057	10·9	47	54	65·5	43·2	53·3	11·84	0·45	1·15
BRISTOL - - -	4,688	171,382	36·6	122	106	—	—	—	—	—	—
WOLVERHAMPTON -	3,387	72,990	21·5	32	18	67·7	41·8	52·7	11·50	1·21	3·03
BIRMINGHAM - - -	7,831	369,604	47·2	225	132	69·4	43·4	53·7	12·06	1·12	1·84
LEICESTER - - -	3,200	97,427	30·4	35	53	69·0	43·0	53·2	11·78	0·75	1·91
NOTTINGHAM - - -	1,996	88,888	44·5	42	40	70·1	41·6	54·3	12·39	0·85	2·16
LIVERPOOL - - -	5,108	517,567	101·3	316	331	64·8	38·8	50·7	10·39	0·62	1·57
MANCHESTER - - -	4,486	374,993	83·6	247	199	68·0	35·0	50·0	10·00	2·09	5·31
SALFORD - - -	5,172	121,580	23·5	96	48	70·0	36·5	51·1	10·61	2·49	6·33
BRADFORD - - -	6,590	143,197	21·7	71	58	63·6	43·8	52·7	11·50	1·60	4·06
LEEDS - - -	21,572	259,527	12·0	78	120	67·0	40·0	52·3	11·28	1·43	3·64
SHEFFIELD - - -	22,830	247,378	10·8	165	112	65·0	40·5	50·6	10·33	3·06	7·77
HULL - - -	3,562	130,869	36·7	79	44	—	—	—	—	—	—
SUNDERLAND - - -	3,306	100,979	30·5	35	43	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	67	40	69·0	41·0	47·8	8·78	1·60	4·06
EDINBURGH - - -	4,427	178,970	40·4	121	73	58·7	41·0	48·0	8·89	0·20	0·51
GLASGOW - - -	5,063	468,189	92·5	318	212	59·2	34·6	46·8	8·22	0·15	0·38
DUBLIN - - -	9,745	321,540	33·0	150	112	67·7	39·8	53·9	12·17	1·73	4·40
PARIS - - -	7,802	1,889,842	242	—	—	—	—	—	—	—	—
				Week ending 1 Oct. 1870.	Week ending 1 Oct. 1870.	Week ending 1st October 1870.					
VIENNA - - -	3,728*	622,087	167	—	285	—	—	53·4	11·88	—	—
				Week ending 6 Oct. 1870.	Week ending 6 Oct. 1870.	Week ending 6th October 1870.					
BERLIN - - -	6,253	800,000	128	—	—	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 8th day of October 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Houses.
Total of 17 TOWNS -	23	2714	635	416	30	22	332	15	38	179	123	100	173	385
LONDON - - -	21	1279	266	203	27	11	192	9	16	54	35	52	91	203
PORTSMOUTH - - -	16	37	5	10	—	—	3	1	1	5	2	1	3	7
NORWICH - - -	35	54	5	16	—	1	9	1	3	2	4	2	4	3
BRISTOL - - -	32	106	25	12	—	1	33	—	1	2	1	3	7	12
WOLVERHAMPTON -	13	18	7	2	—	—	—	—	—	2	2	—	—	1
BIRMINGHAM - - -	19	132	38	20	—	2	9	1	1	5	8	9	14	18
LEICESTER - - -	28	53	16	6	—	—	9	—	—	1	4	—	—	6
NOTTINGHAM - - -	23	40	8	4	—	—	3	—	—	4	1	—	1	3
LIVERPOOL - - -	33	331	90	52	1	3	38	1	9	37	12	10	16	67
MANCHESTER - - -	28	199	52	34	2	—	7	—	1	17	14	9	17	31
SALFORD - - -	21	48	10	9	—	—	2	—	1	7	2	3	4	5
BRADFORD - - -	21	58	16	9	—	—	4	—	—	5	7	2	2	1
LEEDS - - -	24	120	27	14	—	4	2	—	2	9	14	3	4	10
SHEFFIELD - - -	24	112	36	8	—	—	12	—	—	18	12	3	3	7
HULL - - -	18	44	13	5	—	—	7	—	—	5	1	1	3	3
SUNDERLAND - - -	22	43	12	3	—	—	1	2	—	3	2	—	1	4
NEWCASTLE-ON-TYNE	16	40	9	9	—	—	1	—	3	3	2	2	3	4
DUBLIN - - -	18	112	24	15	—	—	11	—	4	2	16	5	4	25

TABLE 5.—DEATHS in LONDON Registered in the FORTIETH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Fortieth Week in the 10 years 1860-69.	In the Week ending Saturday, October 8, 1870.							Averages of the Fortieth Week in the 10 years 1860-69.	In the Week ending Saturday, October 8, 1870.						
			Deaths of Persons of the Ages								Deaths of Persons of the Ages						
			ALL AGES.	Under 20.		40.	60.	80.	Years and upwards.		ALL AGES.	Under 20.		40.	60.	80.	Years and upwards.
				Mean Tem.	0-5.							5-20.	Mean Tem.					0-5.	5-20.
Mean Temperature -		54.4	54.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	54.4	54.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES -		1230.3	1279	526	150	197	203	166	37								
SPECIFIED CAUSES		1221.6	1277	526	150	197	201	166	37								
I. ZYMOTIC DISEASES.																	
ORDER 1.																	
1. Small-pox -	-	11.4	27	12	8	5	2	-	-								
2. Measles -	-	27.2	11	10	1	-	-	-	-								
3. Scarlet Fever (Scarlatina) -	-	92.7	192	130	57	4	-	-	-								
4. Diphtheria -	-	12.6	9	5	2	-	-	-	-								
5. Quinsey -	-	5	-	-	-	-	-	-	-								
6. Group -	-	13.8	11	10	1	-	-	-	-								
7. Whooping-cough -	-	30.1	16	16	-	-	-	-	-								
8. Typhus -	-	-	12	1	2	6	2	1	-								
9. Enteric or Typhoid Fever -	-	44.5	23	5	7	6	3	2	-								
10. Simple continued Fever -	-	-	19	8	4	4	1	3	-								
11. Erysipelas -	-	6.9	14	5	1	1	2	5	-								
12. Purpural Fever (Metria) -	-	3.5	4	-	-	4	-	-	-								
13. Carbuncle -	-	7	-	-	-	-	-	-	-								
14. Influenza -	-	4	-	-	-	-	-	-	-								
15. Dysentery -	-	1.8	-	-	-	-	-	-	-								
16. Diarrhoea -	-	57.5	85	27	1	1	2	3	1								
17. Simple Cholera -	-	20.5	1	-	-	-	-	-	-								
18. Ague -	-	1	-	-	-	-	-	-	-								
19. Remittent Fever -	-	1.4	-	-	-	-	-	-	-								
20. Rheumatism -	-	7.7	16	-	4	8	2	2	-								
21. Other Zymotic Diseases -	-	2	1	1	-	-	-	-	-								
ORDER 2.																	
1. Syphilis -	-	8.5	11	10	-	-	-	1	-								
2. Stricture of Urethra -	-	1.5	1	-	-	-	-	-	-								
3. Hydrophobia -	-	-	-	-	-	-	-	-	-								
4. Glanders -	-	-	-	-	-	-	-	-	-								
ORDER 3.																	
1. Privation -	-	3	-	-	-	-	-	-	-								
2. Want of Breast-milk -	-	8.3	6	6	-	-	-	-	-								
3. Purpura and Scoury -	-	1.1	1	-	-	-	1	-	-								
4. Alco- & Del. Tremens -	-	2.5	1	-	-	-	-	-	-								
5. Intemperance -	-	9	-	-	-	-	-	-	-								
ORDER 4.																	
1. Thrush -	-	3.7	3	2	1	-	-	-	-								
2. Worms, &c. -	-	-	-	-	-	-	-	-	-								
II. CONSTITUTIONAL DIS.																	
ORDER 1.																	
1. Gout -	-	1.7	-	-	-	-	-	-	-								
2. Dropsy -	-	12.8	8	1	3	-	4	-	-								
3. Cancer -	-	27.1	28	-	-	3	14	9	2								
4. Cancerum Oris (Noma) -	-	3	-	-	-	-	-	-	-								
5. Mortification -	-	3.5	4	1	-	-	-	3	-								
ORDER 2.																	
1. Scrofula -	-	9.9	8	8	-	-	-	-	-								
2. Tabes Mesenterica -	-	20.5	12	11	1	-	-	-	-								
3. Phthisis -	-	148.7	146	6	15	80	88	7	-								
4. Hydrocephalus -	-	25.7	31	23	8	-	-	-	-								
III. LOCAL DISEASES.																	
ORDER 1.																	
1. Cephalitis -	-	11.7	15	6	4	3	-	2	-								
2. Apoplexy -	-	31.9	37	4	2	2	13	15	1								
3. Paralysis -	-	22.6	22	-	1	1	6	12	2								
4. Insanity -	-	1.4	-	-	-	-	-	-	-								
5. Chorea -	-	3	-	-	-	-	-	-	-								
6. Epilepsy -	-	5.1	8	-	1	4	2	-	1								
7. Convulsions -	-	43.7	44	40	1	2	-	1	-								
8. Brain Disease, &c. -	-	15.3	14	-	-	2	5	7	-								
ORDER 2.																	
1. Pericarditis -	-	2.3	5	1	-	2	2	-	-								
2. Aneurism -	-	2.7	1	-	-	1	-	-	-								
3. Heart Disease, &c. -	-	50.4	66	-	6	9	28	19	4								
ORDER 3.																	
1. Laryngitis -	-	4.6	5	2	1	1	1	-	-								
2. Bronchitis -	-	75.4	62	31	2	3	19	24	3								
3. Pleurisy -	-	1.9	3	1	-	-	1	1	-								
4. Pneumonia -	-	58.2	61	35	3	5	4	3	1								
5. Asthma -	-	4.9	4	-	-	2	1	1	-								
6. Lung Disease, &c. -	-	11.0	7	4	-	-	3	-	-								
ORDER 4.																	
1. Gastritis -	-	1.2	2	-	-	-	2	-	-								
2. Enteritis -	-	5.8	1	1	-	-	-	-	-								
3. Peritonitis -	-	4.7	4	1	1	1	1	-	-								
4. Ascites -	-	2.8	2	1	-	-	-	-	-								
5. Ulceration of Intestines -	-	3.7	3	-	1	2	-	-	-								
6. Hernia -	-	3.2	3	-	-	2	1	-	-								
7. Ileus -	-	2.6	9	1	2	2	3	1	-								
8. Intussusception -	-	9	1	-	-	1	-	-	-								
CAUSES OF DEATH.																	
Mean Temperature -		54.4	54.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	54.4	54.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
9. Stricture of Intestines -		8	1	1	-	-	-	-	-								
10. Fistula -		1	1	-	-	-	-	-	-								
11. Stomach Disease, &c. -		6.6	4	-	-	1	3	1	-								
12. Pancreas Disease, &c. -		3.4	2	-	-	-	-	-	-								
13. Hepatitis -		3.6	5	2	-	1	2	1	-								
14. Jaundice -		14.8	16	-	-	3	5	3	-								
15. Liver Disease, &c. -		4	-	-	-	-	-	-	-								
16. Spleen Disease, &c. -		-	-	-	-	-	-	-	-								
ORDER 5.																	
1. Nephritis -		1.4	3	2	-	1	-	-	-								
2. Ischuria -		1	-	-	-	-	-	-	-								
3. Bright's Disease (Nephria) -		9.5	10	3	-	3	3	1	-								
4. Diabetes -		1.8	3	-	-	1	1	1	-								
5. Calculus (Stone) -		12	-	-	-	-	-	-	-								
6. Cystitis -		5	-	-	-	-	-	-	-								
7. Kidney Disease, &c. -		6.6	8	-	-	2	3	2	1								
ORDER 6.																	
1. Ovarian Dropsy -		1.2	-	-	-	-	-	-	-								
2. Uterus Disease, &c. -		4.1	2	-	-	-	2	-	-								
ORDER 7.																	
1. Synovitis (Arthritis) -		1	1	-	-	-	1	-	-								
2. Joint Disease, &c. -		4.7	-	-	-	-	-	-	-								
ORDER 8.																	
1. Phlegmon -		2.2	2	-	-	2	-	-	-								
2. Ulcer -		3	-	-	-	-	-	-	-								
3. Skin Disease, &c. -		7	-	-	-	-	-	-	-								
IV. DEVELOPMENTAL DISEASES.																	
ORDER 1.																	
1. Premature Birth -		19.5	21	21	-	-	-	-	-								
2. Cyanosis -		9	2	2	-	-	-	-	-								
3. Spina Bifida -		7	1	1	-	-	-	-	-								
4. Other Malformations -		9	2	1	1	-	-	-	-								
5. Teething -		12.3	8	8	-	-	-	-	-								
ORDER 2.																	
1. Paramenia -		-	-	-	-	-	-	-	-								
2. Childbirth (see Puer- peral Fever) -		4.7	5	-	-	4	1	-	-								
ORDER 3.																	
1. Old Age -		38.2	39	-	-	-	-	19	20								
ORDER 4.																	
1. Atrophy and Debility -		59.5	49	45	-	-	-	4	-								
V. VIOLENT DEATHS, &c.																	
ORDER 1.																	
(ACCIDENT OR NEGLIGENCE.)																	
1. Fractures and Contusions -		17.0	23	1	5	8	8	3	1								
2. Wounds -		7	-	-	-	-	-	-	-								
3. Burns and Scalds -		3.7	3	3	-	-	-	-	-								
4. Poison -		5	-	-	-	-	-	-	-								
5. Drowning -		6.6	8	1	2	3	2	-	-								
6. Suffocation -		5.2	7	7	-	-	-	-	-								
7. Otherwise -		2.2	3	1	1	-	1	-	-								
ORDER 3.																	
(HOMICIDE.)																	
1. Murder and Manslaughter -		1.5	3	1	-	1	1	-	-								
ORDER 4.																	
(SUICIDE.)																	
1. Wounds { Gunshot Cut, Stab -		2	1	-	-	-	-	1	-								
2. Poison -		1.2	2	-	-	2	-	-	-								
3. Drowning -		7	-	-	-	-	-	-	-								
4. Hanging -		1.3	1	-	-	1	-	-	-								
5. Otherwise -		2	-	-	-	-	-	-	-								
ORDER 5.																	
(EXECUTION.)																	
1. Hanging -		-	-	-	-	-	-	-	-								
Violent Deaths (not classed)																	

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.*		
LONDON	2,803,989	2188	1279	266	203	27	11	192	9	16	12	23	19	35	52	91	203		
WEST DISTRICTS	468,125	321	200	30	32	4	2	34	3	2	5	2	4	1	3	26			
NORTH DISTRICTS	618,210	517	284	48	40	12	6	51	1	1	6	10	2	5	12	20	30		
CENTRAL DISTRICTS	383,231	199	136	27	19	2	12	1	1	1	2	6	8	17	30	46			
EAST DISTRICTS	571,158	493	303	75	50	7	2	27	5	2	4	7	14	16	35	61			
SOUTH DISTRICTS	773,175	653	356	86	62	2	1	68	5	7	3	3	6	6	15	15	42		
WEST DISTRICTS.																			
St. Mary Paddington WH	39015	25	15	4	1	-	-	3	2	-	-	1	1	1	-	-	1		
St. John Paddington H	36769	19	13	3	6	-	-	2	4	-	-	-	-	1	-	-	-		
Kensington Town W	51910	54	22	4	5	1	2	4	-	1	-	2	-	-	-	-	2		
Brompton H	18198	14	16	1	4	-	-	2	1	-	-	-	-	-	-	-	-		
St. Peter Hammersmith	5415	6	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H	19104	23	8	1	1	-	-	2	1	1	-	-	-	-	1	-	3		
Fulham W	15539	14	12	3	3	-	-	1	-	-	-	-	-	-	-	-	1		
Chelsea South H	21654	19	17	1	4	-	-	4	-	-	-	-	-	-	-	-	-		
Chelsea North-west HW	19899	11	8	-	2	-	-	3	-	-	-	-	-	1	1	-	1		
Chelsea North-east	21886	11	8	2	-	1	-	2	-	-	-	-	-	1	-	1	-		
Hanover Square	19773	9	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
May Fair W	12855	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Belgrave H	55113	30	28	4	3	-	-	3	-	-	1	-	-	-	1	1	7		
St. John Westminster H	37483	16	14	-	2	2	-	1	-	-	-	-	-	-	-	-	4		
St. Margaret Westminster WH	30730	21	11	1	3	-	-	1	-	-	-	-	-	-	-	-	-		
St. James's Square	10753	6	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
Golden Square W	13965	5	5	1	2	-	-	-	-	-	-	-	-	-	-	-	3		
Berwick-street	10607	8	7	1	-	-	-	3	-	-	-	-	-	-	-	-	-		
St. Anne Soho	17426	14	7	2	1	-	-	2	-	-	1	-	-	-	-	-	-		
NORTH DISTRICTS.																			
All Souls Marylebone H	29952	21	17	2	3	-	-	3	-	-	1	-	-	-	1	1	0		
Cavendish Square	15090	5	3	-	1	-	-	-	-	-	-	-	-	-	-	-	6		
Rectory Marylebone W	26692	28	15	4	5	-	1	2	-	-	-	-	-	-	-	2	-		
St. Mary Marylebone H	22493	16	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-		
Christchurch Marylebone	34913	16	16	3	1	-	-	2	-	-	-	-	-	1	1	3	-		
St. John Marylebone	32540	25	9	4	1	-	-	-	-	-	-	-	-	-	-	-	1		
Hampstead WH	19106	18	7	2	1	-	1	2	-	-	-	-	-	-	-	-	1		
Regent's Park Pancras	34927	19	14	3	4	-	-	3	-	-	-	-	-	-	1	1	2		
Tottenham-court WH	26371	19	15	2	2	-	1	3	-	-	-	1	-	-	-	-	2		
Gray's Inn Lane H	27938	21	12	1	1	-	-	-	-	-	1	-	-	-	2	1	1		
Somers Town	38099	25	17	1	-	-	1	3	1	-	1	2	-	-	1	1	2		
Camden Town W	23266	23	7	1	2	-	-	5	-	1	-	1	-	1	-	1	-		
Kentish Town	44317	57	25	2	7	-	-	-	-	-	-	-	-	-	-	-	21		
Islington West* WHH	75142	72	53	7	5	9	1	11	-	5	4	1	2	-	-	-	-		
Islington East W	79899	68	30	6	1	1	10	-	-	-	1	1	1	-	-	-	-		
Stoke Newington	6603	4	4	1	1	-	-	-	-	-	-	-	-	-	1	1	-		
Stamford Hill	5483	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
West Hackney	24265	17	6	1	1	-	-	1	-	-	-	-	-	-	-	-	-		
Hackney WH	31481	35	19	7	1	-	-	1	-	-	-	-	-	-	4	5	5		
South Hackney L	15458	25	10	-	2	2	-	-	-	-	-	-	-	-	-	1	-		
CENTRAL DISTRICTS.																			
St. George Bloomsbury	17392	8	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. Giles South WH	19483	8	5	1	-	-	-	-	-	-	-	-	-	-	1	1	-		
St. Giles North	17201	8	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
Long Acre	11618	6	6	3	-	-	-	1	-	-	-	-	-	-	-	-	-		
Charing Cross WH	11071	8	7	2	-	-	-	-	-	-	-	-	-	-	2	3	4		
St. Mary-le-Strand	10346	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Danes H	15207	6	9	2	2	-	-	1	-	-	-	-	-	1	-	1	4		
St. George-the-Martyr H	19903	10	8	1	2	-	-	1	-	-	-	-	-	-	-	-	-		
St. Andrew East Holborn W	12947	4	5	2	1	-	-	-	-	-	-	-	-	-	-	-	3		
Saffron Hill	12012	5	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell W	19132	15	6	1	2	-	-	1	-	-	-	-	-	-	-	-	2		
Anwell Clerkenwell	17250	15	4	1	-	-	-	-	-	1	-	-	-	-	2	-	-		
Pentonville	13079	5	4	1	-	-	-	1	-	-	-	-	-	-	1	-	-		
Goswell-street	16200	12	9	3	3	-	-	1	-	-	-	-	-	-	-	-	-		
Old-street	11504	11	6	1	1	-	-	-	-	-	-	-	-	1	-	-	-		
City-road HL	17860	16	5	1	-	2	-	-	-	-	1	-	-	-	-	1	-		
Whitcross-street	14778	13	7	2	-	-	-	1	-	-	1	-	-	-	-	-	-		
Finsbury	12931	6	4	-	-	-	-	-	-	-	-	-	-	2	-	-	-		
St. Botolph East London	20990	5	6	2	2	-	-	-	-	1	-	-	1	-	-	-	-		
Cripplegate	19627	9	3	-	1	-	-	1	-	-	-	-	-	-	-	-	-		
St. Sepulchre WH	11750	1	18	-	2	-	-	1	-	-	-	-	-	-	5	6	17		
St. Bride W	15895	9	4	-	1	-	-	1	-	-	-	-	1	-	-	-	-		
Castle Baynard	7762	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Christchurch	9020	3	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-		
Queenhithe	8570	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Allhallows Barking	8659	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street	11544	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, MEASLES, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Saturday, 8th October 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
Holywell Shoreditch	17313	11	3	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-
St. Leonard Shoreditch L†	19188	11	9	4	1	-	-	3	-	-	-	-	-	1	-	-	-	1
Hoxton New Town W	26516	29	17	4	1	-	-	1	-	-	2	-	2	-	-	-	-	2
Hoxton Old Town -	25777	32	10	4	1	-	-	1	1	-	-	-	-	-	-	-	-	4
Haggerstone West W	23260	16	15	1	2	-	-	1	1	-	-	-	-	-	-	-	-	2
Haggerstone East -	17310	10	4	2	-	-	-	2	-	-	-	-	-	2	-	-	-	4
Hackney road -	26298	23	13	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green WHL†	31789	25	27	6	11	-	-	3	-	-	-	-	-	1	2	13	7	-
Church, Bethnal Green -	25523	14	9	4	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Town, Bethnal Green -	21486	14	9	4	2	1	-	-	-	-	1	-	1	-	-	4	-	-
Artillery Whitechapel -	6557	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spitalfields -	15709	5	3	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-
Mile End New Town W	15392	16	12	2	1	1	-	1	-	-	-	-	-	-	-	-	-	-
Whitechapel North -	12122	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3
Whitechapel Church H	8052	9	22	3	3	-	-	-	-	-	-	-	-	1	-	1	1	15
Goodman's Fields -	11165	9	5	2	-	-	1	1	-	-	-	-	-	-	1	1	1	-
Aldgate -	9671	5	5	1	1	1	-	-	-	-	-	-	-	1	1	-	-	-
St. Mary St. George East -	18181	10	8	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul St. George East -	21015	15	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
St. John St. George East W	9646	9	8	-	1	-	-	-	-	-	-	-	-	-	2	2	5	-
Shadwell W -	12387	6	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	3
Ratcliff WH -	16874	7	6	2	1	-	-	-	-	-	-	-	1	-	1	2	1	-
Limehouse W -	27151	23	11	1	1	-	-	1	-	-	1	-	-	-	1	-	-	-
Mile End Old Town West -	35747	31	20	5	4	1	-	1	-	1	-	-	-	2	-	1	-	-
Mile End Old Town East Ww	39317	40	34	11	7	1	-	6	-	-	-	1	-	1	-	1	-	4
Row WwL† -	35667	67	31	4	6	-	-	3	-	-	-	-	-	1	2	3	3	14
Poplar W -	43529	50	14	3	2	1	-	-	-	-	-	-	-	-	4	5	5	2
SOUTH DISTRICTS.																		
Christchurch Southwark W	17069	5	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark H	19101	9	6	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Kent-road -	18652	14	8	2	1	-	-	1	1	-	-	-	-	-	-	-	-	-
Borough-road W -	16653	7	5	2	1	-	-	-	-	-	-	-	-	-	1	-	-	1
London road L -	19139	15	5	2	-	-	-	-	-	-	-	-	-	-	-	2	2	-
Trinity Newington -	22975	22	9	3	2	-	-	-	-	1	1	-	-	-	-	-	-	-
St. Peter Walworth W	44463	45	17	3	3	-	-	1	-	-	-	1	-	-	1	-	-	-
St. Mary Newington H	15982	11	10	2	-	-	-	1	-	1	-	-	-	-	3	3	4	-
St. Olave Southwark H	7663	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. John Horsleydown W	11393	9	6	1	-	-	-	1	-	-	-	-	-	-	1	1	2	-
Leather Market -	16696	15	5	2	1	-	-	-	-	1	-	-	1	-	-	-	-	-
St. Mary Magdalen W	16505	8	4	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-
St. James Bermondsey -	25134	36	11	1	5	-	-	1	-	-	-	1	-	1	1	2	-	-
Rotherhithe W -	24502	19	9	2	-	1	-	-	-	-	1	-	-	1	1	1	1	-
Waterloo-road 1st -	15269	14	7	1	-	-	-	3	1	-	-	-	-	-	-	-	-	-
Waterloo-road 2nd H -	18640	20	7	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Lambeth Church 1st -	19839	12	5	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Lambeth Church 2nd W	29542	34	15	4	4	-	-	2	-	-	-	-	-	1	-	-	-	6
Kennington 1st -	30755	23	13	5	3	-	-	2	-	1	-	-	1	-	2	2	-	-
Kennington 2nd -	20440	20	11	5	2	-	-	1	-	-	-	-	-	-	-	-	-	-
Brixton -	20067	18	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Norwood W -	7462	8	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Clapham -	20894	18	7	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Battersea W -	19600	45	35	7	2	-	-	18	-	1	-	-	1	1	2	3	5	-
Wandsworth L -	15346	13	10	3	3	-	-	5	-	-	-	-	-	-	-	-	-	-
Putney -	6481	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streatham -	10982	1	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Dulwich -	1723	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell WLL†	21297	24	16	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Peckham W -	28135	22	10	3	1	-	-	3	-	-	-	-	-	-	-	-	-	7
St. George Camberwell -	26333	23	9	5	-	-	-	4	-	-	-	-	-	1	-	-	-	-
St. Paul Deptford -	37834	41	16	3	2	-	-	5	-	-	1	1	1	-	-	-	-	-
St. Nicholas Deptford -	8139	5	3	-	1	1	-	-	-	-	-	-	-	-	1	-	-	-
Greenwich West H -	21696	13	6	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Greenwich East WH -	18306	12	18	2	4	-	-	2	-	-	-	1	-	-	-	-	-	12
Eltham -	3000	2	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Lee -	11063	5	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Lewisham Village W -	7372	6	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Sydenham -	10595	10	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Charlton H -	9276	5	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich Dockyard H -	22919	8	7	1	1	-	-	1	2	1	-	-	-	-	1	-	-	-
Woolwich Arsenal H -	18776	10	8	-	3	-	-	2	-	1	1	-	-	-	-	-	-	-
Plumstead West -	6	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumstead East -	24502	13	10	1	2	-	-	5	-	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and
London City " " Islington East.	Stepney " " Bow sub-district.
Do. do. " " Hackney sub-district.	

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 8th OCTOBER, 1870.
[Under the Superintendence of the Astronomer Royal.]

1870.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.						
Phases of Moon.	Baro-Meter. Mean daily reading (corrected for reduced and re-ferred to 32° Fahr.)	Dry.				Dew Point.	Highest in the sun, as shown by a self-registering thermometer with bulb in vacuum, placed on the Grass.	Lowest in the sun, as shown by a self-registering thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers.		Between Dew Point and Air Temperature.		Between temperature of the day and the same day, on an average of 50 years.*	Degree of humidity, complete saturation being 100.	As deduced from Anemometers.											
		High-est.	Low-est.	Range in day.	Mean daily value.				Mean daily value.	Greatest value.	Least value.	General Direction.			Pressure on square foot.	Amount of Movement of Air each day.	Robertson's.									
																		Greatest est.	Least.		Mean of 24 Obs.					
OCTOBER.																										
SUNDAY	2	in.	30-330	68-3	44-9	23-4	55-5	50-9	122-9	36-0	0	0	4-6	11-0	0-0	+	1-7	85	E.	E.	lbs. 2-7	0-0	0-2	205	0-00	..
MONDAY	3	..	30-306	68-6	47-1	21-5	56-3	48-9	124-0	38-1	..	..	7-4	18-0	0-0	+	2-6	76	NE. & E.	ESE. & NE.	1-3	0-0	0-1	154	0-00	..
TUESDAY	4	..	30-312	58-7	46-7	12-0	51-5	51-0	88-3	35-8	..	..	0-5	5-3	0-0	—	2-0	98	NNE. & NE.	Variable	0-0	0-0	0-0	98	0-00	..
WEDNESDAY	5	..	30-156	58-4	46-4	12-0	51-5	50-1	80-5	36-7	..	..	1-4	7-0	0-0	—	1-8	95	E. & NE.	NNE.	0-0	0-0	0-0	96	0-00	..
THURSDAY	6	..	29-934	56-1	46-8	9-3	49-8	46-3	71-7	44-0	..	..	3-5	7-4	1-3	—	3-1	88	NNE. & NW.	NW. & S.	0-1	0-0	0-0	98	0-00	..
FRIDAY	7	..	29-552	65-8	43-6	22-2	55-7	49-2	87-7	37-0	..	..	6-5	12-6	0-0	+	3-2	79	SE. & SW.	SSW. & SSE.	0-7	0-0	0-0	145	0-00	..
SATURDAY	8	..	28-981	67-1	52-1	15-0	58-4	53-3	110-5	46-0	..	..	5-1	13-5	1-2	+	6-3	83	S. by E.	WSW.	10-3	0-0	0-9	427	0-20	..
MEANS	..	..	29-940	63-3	46-8	16-5	54-1	50-0	97-9	39-1	..	..	4-1	10-7	0-4	+	1-0	86	Variable.	Variable.	..	..	..	Sum 1223	0-20	..
No. of Columns.	8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	26	

NOTES.

The height of the osium of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's thin glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "higher," and — "lower," applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 30-38 in. at the beginning of the week to 30-28 in. 3h. P.M. on the 3d; increased to 30-35 in. by 9h. A.M. on the 4th; and decreased to 28-32 in. by the end of the week.

SKY AND ATMOSPHERE.

A very fine day; generally cloudless.

Light clouds prevailed in the morning; cloudless afterwards.

A fine day.

Overcast during the morning, and slight fog prevailed; fine, but cloudy in the afternoon; cloudless at night, but very foggy.

Generally overcast. Foggy in the morning.

Generally cloudy. Slight fog prevailed throughout.

Generally cloudy. Slight fog at times.

Rain fell heavily between 1h. 30m. A.M. and 3h. A.M. Generally cloudy, with occasional rain, and a fall between 3h. 10m. P.M. and 3h. 40m. P.M. Lunar corona and halo.

ELECTRICITY.

The electrical apparatus still under repair.

SUNDAY . 2

MONDAY . 3

TUESDAY . 4

WEDNESDAY . 5

THURSDAY . 6

FRIDAY . 7

SATURDAY . 8

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 41. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, OCTOBER 15. [Price 1d.

*General Register Office, Somerset House,
17th October 1870.*

DURING the week ending Saturday the 15th instant, 4721 *births* and 3345 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 24 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 23 per 1000; Portsmouth 19, Norwich 21, Bristol 37, Wolverhampton 22, Birmingham 20, Leicester 32, Nottingham 23, Liverpool 33, Manchester 27, Salford 21, Bradford 23, Leeds 28, Sheffield 25, Hull 19, Sunderland 18, and Newcastle-upon-Tyne 19.

In Edinburgh the annual rate of mortality last week was 24 per 1000 persons living, in Glasgow 23 per 1000, and in Dublin 26.

It is now 93 days since the last return reached London from Berlin, 28 days since the last return arrived from the sister city of Paris. Active sanitary measures are everywhere called for, as the sieges and battles going on are dangers to the Public Health of Europe.

In Paris alone and its environs more than two millions of people are exposed to the conditions in which spreading, devastating pestilences are generated—defective water supply, dirt, and want. The quarter of a million of children will be the first sufferers.

In Vienna the annual rate of mortality during the week ending 8th instant was 20 per 1000.

In LONDON the *births* of 1102 boys and 1014 girls, in all 2116 children, were registered last week. The *deaths* registered in the same time were 1416. During the corresponding weeks of ten previous years the registered births averaged 1954, and the deaths 1245 per week; after making due allowance for increase of population, the average for the past week is estimated at 2149 births and 1369 deaths; the registered births, therefore, were 33 below, and the deaths 47 above, the estimated average.

Zymotic diseases caused 409 deaths, including 13 from small-pox, 19 from measles, 198 from scarlet fever, 11 from diphtheria, 14 from croup, 20 from whooping-cough, 17 from typhus, 22 from enteric (or typhoid) fever, 8 from simple continued fever, 9 from erysipelas, and 38 from diarrhoea. From "simple cholera" or choleraic diarrhoea 2 deaths were registered.

Small-pox caused last week again two deaths in the Eastern sub-district of Mile End Old Town.

The deaths from scarlet fever show a slight increase on the previous week's return.

Fifty-one deaths resulted from violence: of these 40 were accidental, including 15 by fractures, 5 by burns or scalds, 15 by drowning, and 1 (infant) by suffocation. Six suicides were registered. The excess in the number of deaths registered last week by drowning resulted from the running down of a boat belonging to the "Chichester" training ship, off Woolwich, on the 8th ultimo.

Seven fatal accidents caused by horses or vehicles in the streets were returned last week: the son of a labourer, aged 9 years, died on 9th instant, at the West London Hospital, from being run over by a brewer's dray; a bacon dryer, aged 57 years, died on 6th instant, at the London Hospital, of "exhaustion, inflammation of brain," caused by a fall from a cart; a farm servant, aged 56 years, was found to be dead on his arrival at Guy's Hospital, on 11th instant, having been run over by a waggon in New Park Street, Southwark; the widow of a mariner, aged 89 years, died on 9th instant, in Telegraph Place, Greenwich, of "old age, accelerated by being knocked down by a bicycle;" the son of a labourer, aged 8 years, died on 1st instant, in Prospect Row, Woolwich, from being run over by a cart; the son of an engineer, aged 2 years, died on 14th ultimo, in Powis Street, Woolwich, from being run over by a waggon; a carman, aged 42 years, died on 10th instant, in Oval Road, Regent's Park, of "internal injuries from a wheel of a van passing over his body."

In the Public Institutions of the Metropolis 241 deaths were registered; of these 132 occurred in Workhouses, 2 in Military and Naval Asylums, 70 in General Hospitals, 27 in Hospitals for special diseases, 4 in Military and Naval Hospitals, 2 in Hospitals and Asylums for Foreigners, and 4 in Lunatic Asylums.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·434 in.; the highest was 29·88 in. on Friday the 14th, and the lowest was 28·78 in. on Sunday the 9th. The mean temperature of the *air* was 47°·1, or 4°·0 below the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 63°·1 on Wednesday; the lowest night temperature was 32°·4 on Tuesday; the entire range of temperature in the week was, therefore, 30°·7. The highest temperature in the sun was 106°·7 on Friday. The mean temperature was below the average on the first four days of the week, above on Thursday, and below again on the two following days, the greatest defect being 8°·7 on Monday. The difference between the mean *dew-point* temperature and *air* temperature was 6°·4. The mean degree of *humidity* of the air was 79, complete saturation being represented by 100. The general direction of the *wind* was variable, and the horizontal movement of the air amounted to 14·0 miles per hour, the velocity varying from 29 miles an hour, on Thursday, to 4½ miles an hour on Saturday. *Rain* fell on four days during the week to the amount of 0·14 in.

The mean temperature of the week in the other large English towns furnishing returns ranged from 42°·7 in Newcastle-on-Tyne to 48°·7 in Portsmouth; the lowest recorded night temperature was 28°·4 in Portsmouth, and the highest day temperature in the shade was 65°·0 in Portsmouth. Rain fell in all the towns, the quantities measured ranging from 0·38 in. at Portsmouth to 1·54 in. at Liverpool, 1·57 in. at Salford, 1·58 in. at Sheffield, 1·61 in. at Manchester, 1·68 in. at Hull, 1·80 in. at Birmingham, and 2·49 in. at Bradford.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 8°·4; the highest day temperature in the shade was 17°·3; the lowest night temperature was 0°·2; the highest temperature in the sun was 41°·5. The mean temperature of the week on an average of 50 years was 10°·6, or 2°·2 above the temperature of last week. The wind blew at the rate of 22 kilometers an hour, and the rain-fall was 0·35 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 187,881 cubic metres, and at Barking 202,095 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTY-FIRST Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1689	1683	1757	1873	2072	1987	2073	2023	2325	2053	1954·0	2116
Males . .	876	865	901	962	1020	1007	1052	1023	1198	1009	991·3	1102
Females .	813	818	856	911	1052	980	1021	1005	1127	1044	962·7	1014
TOTAL Deaths	1008	1113	1121	1258	1355	1261	1353	1233	1438	1305	1244·5	1416
Males . .	509	576	595	624	708	658	661	689	701	676	634·7	735
Females .	499	537	526	634	647	603	692	594	737	629	609·8	681

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	July 23.	July 30.	Aug. 6.	Aug. 13.	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.
TOTAL Deaths	1754	1700	1648	1494	1398	1393	1426	1322	1197	1212	1277	1279	1416
Deaths under 5 years of age	966	989	913	830	759	688	642	564	504	488	495	526	579
Deaths 5—20	136	114	123	124	118	130	152	150	139	123	163	150	169
Deaths 20—40	193	167	192	151	167	182	186	213	168	174	173	197	198
Deaths 40—60	214	205	189	177	153	183	201	189	179	207	182	203	233
Deaths 60—80	195	186	195	175	160	174	199	167	168	169	217	166	194
Deaths at 80 years & upwards	50	39	36	37	41	36	46	39	39	51	47	37	43
Deaths from Small-pox	15	11	15	11	10	11	9	12	11	15	13	27	13
" " Measles	33	30	33	22	15	31	19	16	8	8	14	11	19
" " Scarlet Fever	130	100	114	113	126	108	129	165	157	167	171	192	198
" " Diphtheria	7	5	4	9	2	6	5	6	8	7	10	9	11
" " Whooping-cough	20	26	24	25	17	20	21	15	14	13	13	16	20
" " Typhus fever	10	8	10	12	7	2	3	6	5	11	14	12	17
" " Enteric (or Typhoid) fever	22	14	24	23	31	25	29	18	21	22	22	23	22
" " Simple Contag fever	14	9	9	9	12	9	7	16	19	12	10	19	8
" " Diarrhoea	385	371	385	289	248	202	156	130	73	46	37	35	38
" " Simple Cholera	31	46	32	25	9	19	5	3	3	4	1	1	2
" " Phthisis	148	158	170	153	169	147	163	163	155	151	136	146	165
" " Bronchitis	65	66	52	45	40	50	71	55	63	83	70	82	107
" " Pneumonia	43	38	28	38	31	32	44	37	42	41	56	51	70
" " Heart Disease	52	48	46	52	41	65	54	44	55	49	60	66	58
Mean Temperature of the Air	68·5	64·8	65·3	64·5	60·9	57·3	57·7	57·0	54·0	54·5	55·7	54·1	47·1
Mean Temperature of the Water of the Thames	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air	64	74	81	75	69	67	75	82	82	85	83	86	79
Rain-fall in inches	0·00	0·93	0·15	0·62	0·00	0·70	0·64	1·33	0·21	0·00	0·00	0·20	0·14

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 15th day of October 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 15th Oct.	DEATHS registered during the Week ending 15th Oct.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM -	213,281	7,216,325	33·8	4721	3345	63·8	28·4	45·5	7·50	1·20	3·05
LONDON -	77,997	3,214,707	41·2	2116	1416	63·1	32·4	47·1	8·39	0·14	0·35
PORTSMOUTH -	9,513	122,084	12·8	59	45	65·0	28·4	48·7	9·28	0·38	0·96
NORWICH -	7,472	81,087	10·9	43	32	58·0	33·8	47·0	8·33	0·78	1·98
BRISTOL -	4,688	171,382	36·6	132	120	—	—	—	—	—	—
WOLVERHAMPTON -	3,387	72,990	21·5	39	31	60·1	32·4	45·1	7·28	0·61	1·55
BIRMINGHAM -	7,831	369,604	47·2	271	145	61·3	35·1	46·8	8·22	1·80	4·57
LEICESTER -	3,200	97,427	30·4	53	59	60·0	31·0	44·9	7·17	0·74	1·88
NOTTINGHAM -	1,996	88,888	44·5	43	39	60·5	30·8	45·2	7·33	0·82	2·08
LIVERPOOL -	5,108	517,667	101·3	325	329	60·7	36·2	47·7	8·72	1·54	3·91
MANCHESTER -	4,486	374,993	83·6	220	193	59·5	31·0	44·9	7·17	1·61	4·09
SALFORD -	5,172	121,580	23·5	77	43	59·7	31·2	44·9	7·17	1·57	3·99
BRADFORD -	6,590	143,197	21·7	99	62	55·1	35·2	45·5	7·50	2·49	6·33
LEEDS -	21,572	259,527	12·0	140	140	—	—	—	—	—	—
SHEFFIELD -	22,880	247,378	10·8	199	120	58·0	35·0	45·6	7·55	1·58	4·01
HULL -	3,562	130,869	36·7	93	47	55·0	29·0	43·1	6·17	1·68	4·26
SUNDERLAND -	3,306	100,979	30·5	63	34	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	80	43	52·0	36·0	42·7	5·95	0·94	2·38
EDINBURGH -	4,427	178,970	40·4	113	81	53·7	33·0	42·9	6·06	0·90	2·29
GLASGOW -	5,063	468,189	92·5	402	193	55·7	32·4	44·4	6·89	1·35	3·43
DUBLIN -	9,745	321,540	33·0	149	163	61·9	30·2	47·8	8·78	1·45	3·69
PARIS -	7,802	1,889,842	242	—	—	—	—	—	—	—	—
VIENNA -	3,728*	622,087	167	Week ending 8 Oct. 1870.	Week ending 8 Oct. 1870. 240	—	—	52·7	11·50	—	—
BERLIN -	6,253	800,000	128	Week ending 13 Oct. 1870.	Week ending 13 Oct. 1870.	—	—	—	Week ending 13th October 1870.	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 15th day of October 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include													
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Houses.	In Public Houses.	In Public Houses.
Total of 17 TOWNS -	24	2908	657	475	15	46	325	21	47	156	117	83	133	407	—	—
LONDON -	23	1416	274	237	13	19	198	11	20	47	38	51	68	241	—	—
PORTSMOUTH -	19	45	14	11	—	—	—	1	—	1	3	3	5	5	—	—
NORWICH -	21	32	6	6	—	1	8	—	—	2	—	—	—	—	—	—
BRISTOL -	37	120	21	15	—	2	30	—	1	4	3	2	8	16	—	—
WOLVERHAMPTON -	22	31	6	8	—	2	3	1	—	—	1	—	—	7	—	—
BIRMINGHAM -	20	145	42	26	—	2	8	2	2	5	12	3	10	15	—	—
LEICESTER -	32	59	17	8	—	4	7	—	7	1	1	—	2	5	—	—
NOTTINGHAM -	23	39	6	8	—	—	1	—	—	7	2	1	3	8	—	—
LIVERPOOL -	33	329	99	51	—	8	47	2	10	31	9	10	12	44	—	—
MANCHESTER -	27	193	51	26	2	—	1	1	1	14	11	3	9	26	—	—
SALFORD -	21	46	20	3	—	1	—	—	—	2	9	2	2	4	—	—
BRADFORD -	23	62	11	13	—	2	6	—	1	6	3	—	1	2	—	—
LEEDS -	23	140	39	23	—	3	4	1	2	15	10	2	5	17	—	—
SHEFFIELD -	25	120	19	20	—	2	6	—	2	11	13	3	4	13	—	—
HULL -	19	47	7	7	—	—	4	1	—	9	2	1	1	3	—	—
SUNDERLAND -	18	34	11	5	—	—	2	1	—	—	—	—	—	—	—	—
NEWCASTLE-ON-TYNE -	19	48	14	8	—	—	—	—	1	1	—	2	3	6	—	—
DUBLIN -	26	163	85	28	—	—	11	2	3	8	13	4	5	4	—	—

TABLE 5.—DEATHS IN LONDON Registered in the FORTY-FIRST Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Forty-first Week in the 10 years 1860-69.	In the Week ending Saturday, October 15, 1870.								CAUSES OF DEATH.		Averages of the Forty-first Week in the 10 years 1860-69.	In the Week ending Saturday, October 15, 1870.									
			Deaths of Persons of the Ages											Deaths of Persons of the Ages									
			ALL AGES.	Under 20.		40.	60.	80.	and under 90.					ALL AGES.	Under 20.		40.	60.	80.	and under 90.			
				Mean Tem.	0-5.										5-20.	Mean Tem.							0-5.	5-20.
Mean Temperature		52.2	47.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature		52.2	47.1	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				
ALL CAUSES		1244.5	1416	579	169	198	233	194	43														
SPECIFIED CAUSES		1235.9	1413	577	168	198	233	194	43														
I. ZYMOTIC DISEASES.																							
ORDER 1.																							
1. Small-pox		12.2	13	7	3	2	1	-	-	9. Stricture of Intestines		7	-	-	-	-	-	-	-				
2. Measles		23.0	19	18	1	-	-	-	-	10. Fistula		6	-	-	-	-	-	-	-				
3. Scarlet Fever (Scarlatina)		90.4	193	122	70	6	-	-	-	11. Stomach Disease, &c.		5.9	11	2	-	-	8	4	-				
4. Diphtheria		10.4	11	7	3	1	-	-	-	12. Pancreas Disease, &c.		1	-	-	-	-	-	-	-				
5. Quinsy		14.9	14	12	2	-	-	-	-	13. Hepatitis		3.6	4	-	1	-	3	-	-				
6. Croup		14.5	14	12	2	-	-	-	-	14. Jaundice		4.0	3	1	-	-	-	-	-				
7. Whooping-cough		30.4	20	19	-	-	1	-	-	15. Liver Disease, &c.		17.8	19	-	-	1	11	5	2				
8. Typhus		30.4	17	-	-	-	-	-	-	16. Spleen Disease, &c.		5	1	-	-	-	-	-	-				
— Enteric or Typhoid Fever		48.0	22	5	3	6	5	1	-														
— Simple continued Fever		5.0	8	2	4	1	1	-	-	ORDER 5.													
9. Erysipelas		7.3	9	1	-	1	3	4	-	1. Nephritis		1.4	4	1	3	-	-	-	-				
10. Puerperal Fever (Metria)		5.0	4	-	-	3	1	-	-	2. Ischuria		1	-	-	-	-	1	-	-				
11. Carbuncle		8	8	-	-	-	-	-	-	3. Bright's Disease (Nephria)		9.0	14	-	1	5	6	2	-				
12. Influenza		4	-	-	-	-	-	-	-	4. Diabetes		1.8	1	-	1	-	-	-	-				
13. Dysentery		2.0	4	1	-	1	1	1	-	5. Calculus (Stone)		5	-	-	-	-	-	-	-				
14. Diarrhoea		47.1	38	32	-	1	1	3	1	6. Cystitis		1.1	1	-	-	-	-	1	-				
15. Simple Cholera		22.2	2	-	-	-	-	-	-	7. Kidney Disease, &c.		7.7	7	1	-	2	1	2	1				
16. Acute -		22.2	2	-	-	-	-	-	-	ORDER 6.													
17. Remittent Fever		1.3	-	-	-	-	-	-	-	1. Ovarian Dropsy		6	1	-	-	-	-	1	-				
18. Rheumatism		7.9	8	-	1	3	3	1	-	2. Uterus Disease, &c.		3.4	3	-	-	-	3	-	-				
19. Other Zymotic Diseases		1	-	-	-	-	-	-	-	ORDER 7.													
ORDER 2.																							
1. Syphilis		8.4	6	6	-	-	-	-	-	ORDER 8.													
2. Stricture of Urethra		8	2	-	-	-	1	1	-	1. Phlegmon		1.8	-	-	-	-	1	-	-				
3. Hydrophobia		-	-	-	-	-	-	-	-	2. Ulcer		1.4	3	1	-	-	-	-	1				
4. Glanders		-	-	-	-	-	-	-	-	3. Skin Disease, &c.		2.5	-	-	-	-	-	-	-				
ORDER 3.																							
1. Privation		3	-	-	-	-	-	-	-	IV. DEVELOPMENTAL DISEASES.													
2. Want of Breast-milk		8.8	-	6	-	-	-	-	-	ORDER 1.													
3. Purpura and Scoury		1.6	3	2	-	1	-	-	-	1. Premature Birth		18.7	25	25	-	-	-	-	-				
4. Alco- { a Del. Tremens		2.1	1	-	-	-	1	-	-	2. Cyanosis		2.4	1	1	-	-	-	-	-				
5. Intemperance { b Intemperance		1.1	1	-	-	-	-	1	-	3. Spina Bifida		9	-	-	-	-	-	-	-				
										4. Other Malformations		1.0	-	-	-	-	-	-	-				
										5. Teething		10.5	13	13	-	-	-	-	-				
ORDER 4.																							
1. Thrush		3.5	3	3	-	-	-	-	-	ORDER 2.													
2. Worms, &c.		-	-	-	-	-	-	-	-	1. Paramenia		2	-	-	-	-	-	-	-				
										2. Childbirth (see Puer- peral Fever)		5.7	12	-	3	7	2	-	-				
II. CONSTITUTIONAL DIS.																							
ORDER 1.																							
1. Gout		1.0	5	-	-	-	5	2	-	ORDER 3.													
2. Dropsy		13.4	7	2	1	-	2	2	1	ORDER 4.													
3. Cancer		26.3	42	-	-	5	17	19	1	1. Atrophy and Debility		64.0	68	56	3	1	1	7	-				
4. Cancerum Oris (Noma)		6	-	-	-	-	-	-	-	V. VIOLENT DEATHS, &c.													
5. Mortification		4.0	6	-	-	-	-	5	1	ORDER 1.													
ORDER 2.																							
1. Scrofula		11.6	9	5	3	1	-	-	-	ORDER 1.													
2. Tabes Mesenterica		21.1	18	15	3	-	-	-	-	(ACCIDENT OR NEGLIGENCE.)													
3. Phthisis		141.3	165	4	16	90	43	12	-	1. Fractures and Contusions		15.9	15	2	2	-	9	1	1				
4. Hydrocephalus		26.4	17	16	1	-	-	-	-	2. Wounds		2	-	-	-	-	-	-	-				
										3. Burns and Scalds		8.2	5	3	-	-	1	1	-				
										4. Poison		7	1	-	-	1	-	-	-				
										5. Drowning		6.2	15	-	8	4	3	-	-				
										6. Suffocation		6.1	1	1	-	-	-	-	-				
										7. Otherwise		2.6	3	1	-	-	2	-	-				
III. LOCAL DISEASES.																							
ORDER 1.																							
1. Cephalitis		11.0	19	11	5	1	2	-	-	ORDER 3.													
2. Apoplexy		27.8	83	6	2	4	6	13	2	(HOMICIDE.)													
3. Paralysis		21.8	18	-	-	3	3	12	-	1. Murder and Manslaughter		1.4	4	3	-	1	-	-	-				
4. Insanity		1.4	3	-	-	1	-	2	-	ORDER 4.													
5. Chorea		1	-	-	-	-	-	-	-	(SUICIDE.)													
6. Epilepsy		6.8	3	-	-	-	2	1	-	1. Wounds { Gunshot Cut, Stab		1.1	2	-	-	-	1	1	-				
7. Convulsions		44.4	44	42	1	-	1	-	-	2. Poison		1.5	-	-	-	-	-	-	-				
8. Brain Disease, &c.		14.9	10	2	3	1	2	2	-	3. Drowning		8	-	-	-	-	-	-	-				
										4. Hanging		1.1	3	-	-	-	3	-	-				
										5. Otherwise		4	1	-	-	-	1	-	-				
ORDER 2.																							
1. Pericarditis		1.8	4	-	2	1	-	1	-	ORDER 5.													
2. Aneurism		3.2	5	-	-	2	3	-	-	(EXECUTION.)													
3. Heart Disease, &c.		53.8	58	1	4	9	27	13	4	1. Hanging		1	-	-	-	-	-	-	-				
ORDER 3.																							
1. Laryngitis		4.8	7	6	-	-	-	1	-	Violent Deaths (not classed)		2	1	-	1	-	-	-	-				
2. Bronchitis		81.0	107	48	2	5	19	29	4	Sudden Deaths (Cause un- ascertained)		2.3	2	2	-	-	-	-	-				
3. Pleurisy		2.1	3	-	-	1	1	1	-	Causes not specified or ill- defined		6.3	1	-	1	-	-	-	-				
4. Pneumonia		66.0	70	53	3	5	5	3	1														
5. Asthma		5.0	8	-	-	-	4	4	-														
6. Lung Disease, &c.		11.3	11	5	-	1	3	2	-														
ORDER 4.																							
1. Gastritis		2.9	2	-	-	-	1	-	1														
2. Enteritis		5.4	7	4	2	-	-	1	-														
3. Peritonitis		4.5	11	-	-	3	6	2	-														
4. Ascites		2.4	3	1	-	1	1	-	-														
5. Ulceration of Intestines		2.4	5	-	2	-	3	-	-														
6. Hernia		2.9	2	-	-	1	-	1	-														
7. Ileus		2.9	2	1	-	-	-	-	-														
8. Intussusception		1.2	2	1	-	-	1	-	-														

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total DEATHS during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.*
REGISTRARS' SUB-DISTRICTS.																		
LONDON		2,803,989	2116	1416	274	237	13	19	198	11	20	17	22	8	38	51	68	241
WEST DISTRICTS		458,125	380	263	53	54	2	3	39	1	2	-	5	1	8	7	11	5
NORTH DISTRICTS		618,210	420	306	55	57	4	4	41	3	5	8	5	2	7	7	10	51
CENTRAL DISTRICTS		388,321	224	167	35	21	2	3	24	-	-	-	1	3	5	6	7	27
EAST DISTRICTS		571,158	500	275	65	43	3	4	27	3	5	3	7	1	7	6	16	46
SOUTH DISTRICTS		773,175	642	415	66	62	2	5	67	4	8	6	4	1	11	25	24	60
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	38	21	5	2	1	-	3	-	1	-	-	-	2	1	3	2
St. John Paddington H		36769	12	9	2	-	-	-	1	-	-	-	-	-	-	-	-	-
Kensington Town W		51910	78	40	10	3	1	1	9	1	-	-	-	1	-	1	4	5
Brompton H		18198	9	12	3	2	-	-	3	-	-	-	1	-	-	-	-	-
St. Peter Hammersmith		5415	1	4	3	-	-	-	-	-	-	-	-	-	1	1	1	-
St. Paul Hammersmith H		19104	16	18	3	6	-	-	1	-	-	-	-	-	1	2	2	3
Fulham W		15339	18	14	5	3	-	-	-	-	-	1	-	-	-	-	-	-
Chelsea South H		21654	19	8	-	5	-	-	2	-	-	-	-	-	-	-	-	2
Chelsea North-west HW		19939	10	30	4	8	-	-	4	-	-	-	-	-	2	1	2	18
Chelsea North-east		21886	11	10	2	2	-	-	2	-	-	-	-	-	1	-	-	-
Hanover Square		19773	6	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-
May Fair W		12835	6	7	-	2	-	-	-	-	-	-	-	-	-	-	-	7
Belgrave H		55113	40	22	6	6	-	-	2	-	1	-	1	-	-	-	-	-
St. John Westminster H		37483	31	21	4	5	-	1	3	-	-	-	-	-	-	-	-	-
St. Margaret Westminster WH		30730	13	16	4	1	-	1	2	-	-	-	1	-	-	1	7	-
St. James's Square		10753	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Golden Square W		13966	6	8	-	3	-	-	4	-	-	-	-	-	-	-	-	3
Berwick-street		10607	7	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Anne Soho		17426	8	14	3	-	-	-	2	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	21	17	1	3	-	-	3	-	-	1	-	-	-	-	-	6
Cavendish Square		15090	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W		26692	15	20	5	3	-	-	3	1	1	-	-	-	2	-	-	7
St. Mary Marylebone H		22493	6	6	1	3	-	-	-	-	-	-	1	1	-	-	-	-
Christchurch Marylebone		34913	20	15	4	2	-	2	-	-	-	-	-	-	-	-	-	-
St. John Marylebone		32540	21	10	3	2	-	-	2	-	1	-	-	-	-	1	-	-
Hampstead WH		19106	15	4	1	2	-	-	1	-	-	-	-	-	-	-	-	-
Regent's Park Pancras		34927	19	20	2	4	-	-	3	-	1	1	-	-	-	1	2	-
Tottenham-court WH		23971	12	17	3	-	-	-	3	-	-	-	-	-	1	1	2	5
Gray's Inn Lane H		27808	12	9	1	3	-	-	1	-	-	-	1	-	-	1	1	2
Somers Town		39099	19	21	3	3	-	1	4	-	-	-	-	-	1	1	1	-
Camden Town W		33296	13	8	-	5	-	-	-	-	-	-	-	-	-	-	-	6
Kentish Town		44317	42	24	4	5	-	-	2	-	1	-	-	-	-	-	1	-
Islington West* WHH		75442	69	47	5	5	3	-	8	1	-	6	4	1	-	-	-	18
Islington East WH		79899	67	37	9	8	-	-	7	-	-	-	-	-	2	1	-	2
Stoke Newington		6608	6	5	1	1	-	-	-	1	-	-	-	-	-	-	-	-
Stamford Hill		5483	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney		24265	20	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Hackney WH		31481	25	23	6	5	-	-	-	-	-	-	-	-	-	1	-	5
South Hackney L		15458	13	11	2	1	1	1	2	-	1	-	-	-	-	-	2	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	14	11	2	1	-	-	4	-	-	-	-	2	-	-	1	-
St. Giles South WH		19483	15	17	4	2	-	-	2	-	-	-	-	-	-	-	2	7
St. Giles North		17201	9	7	1	-	-	1	3	-	-	-	-	-	-	-	-	-
Long Acre		11618	9	6	3	1	-	-	1	-	-	-	-	-	-	-	-	-
Charing Cross WH		11071	5	5	-	-	-	-	2	-	-	-	-	-	-	-	-	2
St. Mary-le-Strand		10346	4	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Clement Danes H		13207	5	8	2	-	-	-	2	-	-	-	-	-	1	-	5	-
St. George-the-Martyr H		19903	17	3	1	2	-	-	1	-	-	-	-	1	-	-	-	-
St. Andrew East Holborn W		12947	14	8	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Saffron Hill		12012	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W		19162	14	12	6	1	-	-	1	-	-	-	1	-	1	-	-	1
Amwell Clerkenwell		17250	12	4	1	1	-	-	1	-	-	-	-	-	1	-	-	-
Pentonville		13079	11	7	-	3	-	-	1	-	-	-	-	-	1	-	-	-
Goswell-street		16200	8	9	2	1	-	-	1	-	-	-	-	-	1	-	-	-
Old-street		11504	7	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
City-road HL		17360	15	6	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Whitecross-street		14778	15	8	3	-	-	-	1	-	-	-	-	-	-	-	-	-
Finsbury		12931	6	2	1	-	1	1	1	-	-	-	-	-	-	-	-	-
St. Botolph East London		20990	9	7	1	-	1	1	-	-	-	-	-	-	-	-	-	-
Cripplegate		19697	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Sepulchre WH		11750	5	13	-	3	-	-	-	-	-	-	-	-	-	3	2	10
St. Bride W		15395	10	7	2	-	-	1	1	-	-	-	-	-	-	-	-	-
Castle Baynard		7763	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9020	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Allhallows Barking		8659	2	3	1	-	-	-	-	-	-	-	-	-	1	2	-	-
Broad Street		11544	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, MEASLES, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Saturday, 15th October 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include												
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																	
Holywell Shoreditch	-	17313	9	8	2	1	-	-	2	-	-	-	-	-	-	-	-
St. Leonard Shoreditch	L†	19188	15	9	3	1	-	-	-	-	-	-	-	1	-	-	1
Hoxton New Town	W	26516	27	5	2	1	-	-	-	-	1	-	-	-	-	-	-
Hoxton Old Town	-	25777	28	11	3	1	-	1	1	1	-	-	-	-	-	-	-
Haggerstone West	W	23260	19	15	4	-	-	-	1	1	-	-	1	1	-	-	5
Haggerstone East	-	17310	19	10	2	-	-	1	1	-	-	-	-	-	-	-	-
Hackney-road	-	26298	15	11	3	1	-	-	2	-	-	-	-	-	-	-	-
Green, Bethnal Green	WHL†	31789	45	18	3	5	-	-	1	-	2	-	-	-	-	-	6
Church, Bethnal Green	-	25528	20	20	6	4	-	-	1	-	-	-	-	-	3	-	-
Town, Bethnal Green	-	21486	16	4	-	-	1	-	-	-	-	-	-	-	-	-	-
Artillery Whitechapel	-	6557	5	2	-	-	-	-	-	-	1	-	-	-	-	-	-
Spitalfields	-	15700	11	5	1	-	-	-	-	-	1	-	-	-	1	-	2
Mile End New Town	W	15392	12	5	1	-	-	-	2	-	-	-	-	-	-	-	1
Whitechapel North	-	12122	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church	H	8062	5	15	4	-	-	-	2	-	-	-	-	-	-	2	3
Goodman's Fields	-	11166	8	4	2	2	-	-	-	-	-	-	-	-	-	-	15
Aldgate	-	9071	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary St. George East	-	18181	14	10	2	2	-	-	-	-	-	1	-	-	-	1	-
St. Paul St. George East	-	21015	21	12	6	2	-	-	1	-	-	-	-	-	1	2	-
St. John St. George East	W	9995	5	8	-	2	-	-	-	-	1	-	-	-	1	2	3
Shadwell	W	12537	4	9	1	4	-	-	-	-	-	-	-	-	-	1	3
Ratcliff	WH	16874	11	6	2	1	-	-	-	-	-	-	-	-	1	1	1
Limehouse	W	27161	20	12	6	1	-	1	2	-	-	-	-	-	-	-	-
Mile End Old Town West	-	33747	30	13	4	-	-	-	-	5	-	-	-	-	-	-	-
Mile End Old Town East	Wto	39317	49	22	4	2	2	-	4	-	-	1	-	-	-	1	7
Bow	WtoL†	35667	44	21	7	1	-	-	1	-	-	-	1	-	-	2	3
Poplar	W	43529	36	16	2	4	-	-	1	1	-	1	-	-	1	-	1
SOUTH DISTRICTS.																	
Christchurch Southwark	W	17069	11	8	1	4	-	-	1	-	-	-	-	-	-	-	4
St. Saviour Southwark	H	10101	7	8	1	2	-	-	-	-	-	-	-	-	1	-	-
Kent-road	-	19652	20	5	1	-	-	-	-	-	1	-	-	-	1	-	-
Borough-road	W	16668	14	11	1	3	-	1	1	-	-	-	-	-	1	-	3
London-road	L	19190	11	5	-	-	-	-	-	-	-	-	-	-	-	-	1
Trinity Newington	-	22675	20	5	-	-	-	-	-	-	1	-	-	-	-	-	-
St. Peter Walworth	W	44463	21	27	6	7	-	-	3	-	1	-	-	-	2	-	10
St. Mary Newington	H	15082	6	10	-	2	-	-	-	-	1	-	-	-	-	-	9
St. Olave Southwark	H	7663	4	9	-	-	-	-	-	-	-	-	1	-	3	3	7
St. John Horsleydown	W	11393	10	3	-	-	-	-	-	-	-	-	1	-	-	-	1
Leather Market	-	16696	11	10	3	-	-	-	-	-	1	-	-	-	2	-	-
St. Mary Magdalen	W	16505	14	4	2	1	-	-	-	-	1	-	-	-	-	-	1
St. James Bermondsey	-	25154	36	20	5	2	-	-	-	4	-	-	-	-	-	-	-
Rotherhithe	W	24502	16	14	2	3	-	-	-	-	1	-	-	-	-	-	4
Waterloo-road 1st	-	15269	18	10	-	-	-	1	2	-	-	-	-	-	-	-	-
Waterloo-road 2nd	H	18640	16	9	2	1	-	-	3	-	1	-	1	-	-	-	-
Lambeth Church 1st	-	19839	14	7	2	1	-	-	-	-	-	-	-	-	1	1	-
Lambeth Church 2nd	W	29542	19	17	3	2	-	-	-	3	-	1	-	-	-	-	6
Kennington 1st	-	30735	26	22	4	6	-	-	-	6	-	-	-	-	-	-	-
Kennington 2nd	-	20440	18	7	3	2	-	1	-	-	-	-	-	-	-	-	-
Brixton	-	20067	19	11	2	1	-	-	2	-	-	-	-	-	1	-	-
Norwood	W	7462	4	5	-	1	-	-	1	1	-	-	-	-	-	-	-
Clapham	-	20894	18	12	-	-	-	-	4	-	-	-	1	-	-	1	-
Battersea	W	19000	44	23	3	4	-	-	8	-	-	-	-	-	-	-	4
Wandsworth	L	13346	17	5	2	-	-	-	1	-	-	-	-	1	-	-	1
Putney	-	6481	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Streatham	-	10082	9	3	-	1	-	-	-	-	-	-	-	-	-	-	-
Dulwich	-	1723	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Camberwell	WtoL†	21297	16	9	3	1	-	-	-	1	-	-	-	-	-	-	-
Peckham	W	28135	20	14	3	4	1	-	2	-	-	-	-	-	1	1	1
St. George Camberwell	-	20338	27	15	1	4	-	-	3	-	-	1	-	-	1	1	-
St. Paul Deptford	-	37834	44	19	2	-	-	-	5	-	-	-	-	-	1	1	2
St. Nicholas Deptford	-	8139	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West	H	21696	20	16	3	3	-	-	6	-	2	-	-	-	3	-	-
Greenwich East	WH	18306	9	13	2	3	-	-	2	-	1	-	-	-	-	1	5
Eltham	-	3009	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee	-	11003	6	4	-	1	-	-	1	-	-	-	-	-	-	-	-
Lewisham Village	W	7372	7	3	1	-	-	-	1	-	-	-	-	-	-	-	-
Sydenham	-	10595	17	5	2	-	-	-	-	-	-	1	-	-	-	-	-
Charlton	H	9276	5	4	-	-	-	-	3	-	-	-	-	-	-	-	4
Woolwich Dockyard	H	22919	8	7	1	-	-	1	-	-	-	-	-	-	1	2	2
Woolwich Arsenal	H	18776	10	14	1	-	-	-	1	1	-	-	-	-	-	9	10
Plumstead West	-	6	4	1	-	-	-	-	1	-	-	-	-	-	-	1	1
Plumstead East	-	24502	15	12	2	1	-	-	2	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-district. and
London City " " Islington East.	Bow sub-district.
Do. do. " " Hackney sub-district.	Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 15th OCTOBER, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BARO-METER.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.			
Phase of Moon.	Mean daily reading (corrected and reduced to 32 deg. Fahr. height).	Dry.				Dew Point.	Highest in the sun, on the Grass, at a self-registering thermometer blackened bulb in vacuum, placed on the Grass.	Lowest in the sun, on the Grass, at a self-registering thermometer blackened bulb in vacuum, placed on the Grass.	In the Water of the Thames at Greenwich, by Thermometers.				Between Dew Point and Temperature.		Between mean temperature of the day and the mean temperature of the same day on an average of 50 years.*	As deduced from Anemometers.		Collected in a Gauge whose receiving is in. above the ground.							
		High-est.	Low-est.	Range in day.	Mean daily value.				Mean daily value.	Great-est.	Least.	Osler's.		Robinson's.											
												General Direction.	Pressure on square foot.			Amount of Horizontal Movement.									
									Highest.	Lowest.	Mean daily value.	Great-est.	Least.	A. M.	P. M.	Great-est.	Least.	Mean of 24 Obs.	Miles.	Inches.					
OCTOBER.																									
SUNDAY .	9	In Equator Full.	28.861	58.7	39.5	19.2	48.1	43.3	100.4	35.2	0	0	4.8	9.9	0.0	— 3.7	83	WSW & W	NNW & NW.	lbs. 2.6	0.0	0.3	331	0.01	
MONDAY .	10	..	29.331	52.8	34.2	18.6	42.9	36.7	98.7	26.0	..	..	6.2	10.3	2.5	— 8.7	79	W & NNW	N. by E. N. & W.	lbs. 2.8	0.0	0.2	392	0.01
TUESDAY .	11	..	29.726	55.4	32.4	23.0	43.4	35.3	95.5	24.5	..	..	8.1	16.4	1.0	— 8.0	73	W. by S. s. by E. & s. W. & W.	W. by S. w. by s. & s. W. & W.	lbs. 3.0	0.0	0.0	205	0.00
WEDNESDAY	12	Apogee	29.193	63.1	34.2	28.9	49.7	44.7	67.7	29.3	..	..	5.0	11.2	0.0	+ 1.5	83	s. by E. & s. W. by N. & N.	s. by E. & s. W. by N. & N.	lbs. 30. +	0.0	2.2	536	0.04
THURSDAY .	13	..	29.320	56.8	49.4	7.4	52.3	44.9	71.5	46.0	..	..	7.4	11.6	1.5	+ 1.4	76	W. by S. & W.	W. by N. & N.	lbs. 30. +	0.0	4.9	690	0.08
FRIDAY .	14	..	29.846	59.7	37.0	22.7	47.7	41.2	106.7	35.5	..	..	6.5	14.1	0.0	— 2.9	78	NNE. Variable	NE. & SSW. s. by w. & s.	lbs. 0.3	0.0	0.0	148	0.00
SATURDAY .	15	..	29.759	59.0	33.0	26.0	45.5	38.9	96.0	26.0	..	..	6.6	16.5	0.0	— 4.8	78	Variable	s. by w. & s.	lbs. 0.1	0.0	0.0	107	0.00
MEANS	29.434	57.9	37.1	20.8	47.1	40.7	90.9	31.8	6.4	12.9	0.7	— 4.0	79	Variable.	Sum 230.9	0.14
No. of Columns.	8	4		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

DATE.	ELECTRICITY.	SKY AND ATMOSPHERE.	NOTES.
OCTOBER.			
SUNDAY . 9	{	Generally cloudy. Rain fell occasionally.	The height of the cistern of the barometer is considered to be 139 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See <i>Phil. Trans.</i> , part 1, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.
MONDAY . 10		Small amounts of cloud were prevalent during the day. A heavy shower of rain fell at noon. Cloudless at night.	
TUESDAY . 11		Generally cloudless. Slight fog. Hoar frost.	
WEDNESDAY 12	{	Cloudy. A heavy gale during the day. Rain fell occasionally.	* In reading the 17th column it will be borne in mind that + is read "higher," and — "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.
THURSDAY . 13	Overcast throughout. Wind still very violent. Occasional rain.		
FRIDAY . 14	Generally cloudy till the evening, then cloudless. Slight fog. A brilliant display of aurora borealis at night.		
SATURDAY . 15	{	Cloudless till noon, after which small amounts of cloud were prevalent. Haze and fog.	The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital. The reading of the barometer decreased from 28.94 in. at the beginning of the week to 28.78 in. by 10h. A.M. on the 9th; increased to 29.75 in. at 9h. P.M. on the 11th; decreased to 29.12 in. by 9h. P.M. on the 12th; increased to 29.78 in. by 9h. P.M. on the 14th; and was 29.63 in. by the end of the week.

NOTES.

The height of the column of the barometer is considered to be 139 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, Part 1, 1848. The mean daily wet bulb thermometers by Glaisher's Hygrometrical Tables, fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1853, December 31. * In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital. The reading of the barometer decreased from 28.94 in. at the beginning of the week to 28.78 in. by 10h. A.M. on the 9th; increased to 29.75 in. at 9h. P.M. on the 11th; decreased to 29.12 in. by 9h. P.M. on the 12th; increased to 29.83 in. by 9h. P.M. on the 14th; and was 29.65 in. by the end of the week.

SKY AND ATMOSPHERE.

Generally cloudy. Rain fell occasionally.
Small amounts of cloud were prevalent during the day. A heavy shower of rain fell at noon. Cloudless at night.
Generally cloudless. Slight fog. Hoar frost.
Cloudy. A heavy gale during the day. Rain fell occasionally.
Overcast throughout. Wind still very violent. Occasional rain.
Generally cloudy till the evening, then cloudless. Slight fog.
A brilliant display of aurora borealis at night.
Cloudless till noon, after which small amounts of cloud were prevalent. Haze and fog.

ELECTRICITY.

The electrical apparatus was out of order.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

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By Authority of the Registrar General.  
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24th October 1870.*

DURING the week ending Saturday the 22d instant, 4729 *births* and 3218 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 23 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 22 per 1000; Portsmouth 17, Norwich 26, Bristol 30, Wolverhampton 16, Birmingham 16, Leicester 35, Nottingham 20, Liverpool 36, Manchester 26, Salford 24, Bradford 29, Leeds 29, Sheffield 19, Hull 21, Sunderland 16, and Newcastle-upon-Tyne 20. Scarlet fever caused 35 out of 100 deaths in Bristol, 16 out of 65 deaths in Leicester, and 48 out of 353 deaths in Liverpool.

In Edinburgh the annual rate of mortality last week was 19 per 1000 persons living, in Glasgow 25 per 1000, and in Dublin 23.

In Vienna the annual rate of mortality during the week ending 15th instant was 25 per 1000. In the City of Bombay the deaths registered during the two weeks ending 20th and 27th September were 263 and 296 (exclusive of still-born), and the mortality was at the annual rate of 17 and 19 per 1000.

In LONDON the *births* of 1027 boys and 1045 girls, in all 2072 children, were registered last week. The *deaths* registered in the same time were 1334. During the corresponding weeks of ten previous years the registered births averaged 1978, and the deaths 1283 per week; after making due allowance for increase of population, the average for the past week is estimated at 2176 births and 1411 deaths; the registered births, therefore, were 104, and the deaths 77, below the estimated average.

Zymotic diseases caused 404 deaths, including 17 from small-pox, 20 from measles, 192 from scarlet fever, 8 from diphtheria, 18 from croup, 24 from whooping-cough, 12 from typhus, 26 from enteric (or typhoid) fever, 3 from simple continued fever, 14 from erysipelas, and 25 from diarrhoea. From choleraic diarrhoea one death was registered.

Of the 17 deaths from small-pox, 10 occurred in the Eastern Districts of the Metropolis.

The weekly deaths from scarlet fever have averaged 194 during the last three weeks, the equivalent annual rate of mortality being 3·1 per 1000. In the West Districts the corresponding ratio of fatality was 3·4 per 1000, in the North Districts 3·2, in the Central Districts 2·4, in the East Districts 2·4, and in the South Districts 3·7. Last week this disease caused 7 out of 19 deaths in the Regent's Park sub-district of Pancras, 6 out of 16 deaths in Hackney-road sub-district of Bethnal-green, 5 out of 14 deaths in the St. Paul sub-district of St. George-in-the-East, 8 out of 21 deaths in the sub-district of Battersea, and 3 out of 9 deaths in the Woolwich Dockyard sub-district,—the victims in this latter case being three children who with their parents had been living in one room.

Of 1674 persons dying from scarlet fever during the 13 weeks ended 1st October, 64 per cent. died under 5 years of age, and 33 per cent. died between the ages of 5 and 20, leaving only 3 per cent. of adult deaths from this cause. The proportion of young children dying in the last three weeks has increased to 66 per cent.

A domestic coachman, aged 57 years, died on 19th instant, at 35, Cirencester-place, Marylebone, of "obstinate vomiting after exposure to effluvia from cesspool; 3 weeks." (Certified.)

Fifty-six deaths resulted from violence: of these 48 were accidental, including 29 by fractures, 4 by burns or scalds, 4 by drowning, and 8 (7 infants and one adult) by suffocation. A solicitor's articled clerk, aged 21 years, died on 16th instant, of "rupture of small intestines by blow whilst playing at football." (*Post mort.* *Inquest.*) Four suicides were registered.

Six fatal accidents caused by horses or vehicles in the streets were returned last week: A carpenter, aged 40 years, died on 17th instant, at St. Mary's Hospital, of injuries from being run over by a cab in the street; a widow, aged 60 years, died on 12th instant, at Charing-cross Hospital, of injuries from being run over by a cart in the Strand; a greengrocer, aged 46 years, died on 21st instant, at London Hospital, of injuries from being run over by a 4-wheeled waggon; a boy, aged 11 years, died on 18th instant, at Poplar Hospital, of injuries from being run over by an omnibus; a widow, aged 66 years, died on 19th instant, at Guy's Hospital, of injuries resulting from being knocked down by a runaway cabriolet horse on Newington-causeway; a carman, aged 38 years, died on 20th instant, at Guy's Hospital, "run over at Deptford-bridge, by his employer's waggon which he was driving."

In the Public Institutions of the Metropolis 184 deaths were registered; of these 88 occurred in Workhouses, 2 in Military and Naval Asylums, 65 in General Hospitals, 21 in Hospitals for special diseases, 1 (child) in Lying-in Hospitals, 3 in Military and Naval Hospitals, 2 in Hospitals and Asylums for Foreigners, and 2 in Lunatic Asylums.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·464 in.; the highest was 29·84 in. on Friday, and the lowest was 29·06 in. on Sunday. The mean temperature of the *air* was 49°·7, or 0°·3 above the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 59°·9 on Saturday; the lowest night temperature was 39°·8 on Tuesday; the entire range of temperature in the week was, therefore, 20°·1. The highest temperature in the sun was 106°·6 on Tuesday. The mean temperature was above the average on every day in the week, except Monday and Thursday. The difference between the mean *dew-point* temperature and *air* temperature was 4°·0. The mean degree of *humidity* of the air was 86, complete saturation being represented by 100. The general direction of the *wind* was S.W.; and the horizontal-movement of the air amounted to 17 miles per hour. *Rain* fell on six days in the week to the amount of 1·38 in.

The mean temperature of the week in the other large English towns furnishing returns ranged from 46°·2 in Newcastle-on-Tyne, to 49°·4 in Liverpool; the lowest recorded night temperature was 31°·3 in Portsmouth, and the highest day temperature in the shade was 62°·8 in Portsmouth. Rain fell in all the towns, the quantities measured ranging from 1·07 in. at Wolverhampton, to 2·61 in. at Manchester.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 9°·8; the highest day temperature in the shade was 15°·5; the lowest night temperature was 4°·3; the highest temperature in the sun was 41°·4. The mean temperature of the week on an average of 50 years was 9°·7, or 0°·1 below the temperature of last week. The wind blew at the rate of 27 kilometers an hour, and the rain-fall was 3·81 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 234,970 cubic metres, and at Barking 278,336 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTY-SECOND Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1800	1846	1863	1939	1984	1932	1964	2171	2187	2095	1978·1	2072
Males . .	939	954	944	1001	997	963	1035	1082	1124	1061	1010·0	1027
Females .	861	892	919	938	987	969	929	1039	1063	1034	968·1	1045
TOTAL Deaths	1116	1065	1181	1205	1335	1265	1464	1332	1395	1476	1283·4	1334
Males	534	557	622	607	669	647	800	710	691	768	660·5	707
Females	582	508	559	598	666	618	664	622	704	708	622·9	627

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	July 30.	Aug. 6.	Aug. 13.	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.
TOTAL Deaths - - -	1700	1648	1494	1398	1393	1426	1322	1197	1212	1277	1279	1416	334
Deaths under 5 years of age -	989	913	830	759	688	642	564	504	488	495	526	579	573
Deaths 5-20 - - -	114	123	124	118	130	152	150	139	123	163	150	169	141
Deaths 20-40 - - -	167	192	151	167	182	186	213	168	174	173	197	198	183
Deaths 40-60 - - -	205	189	177	153	183	201	189	179	207	182	203	233	198
Deaths 60-80 - - -	186	195	175	160	174	199	167	168	169	217	166	194	206
Deaths at 80 years & upwards	39	36	37	41	36	46	39	39	51	47	37	43	33
Deaths from Smallpox - -	11	15	11	10	11	9	12	11	15	13	27	13	17
" " Measles - - -	30	33	22	15	31	19	16	8	8	14	11	19	20
" " Scarlet Fever -	100	114	118	126	108	129	165	157	167	171	192	193	192
" " Diphtheria - -	5	4	9	2	6	5	6	8	7	10	9	11	8
" " Whooping-cough	26	24	25	17	20	21	15	14	13	13	16	20	24
" " Typhus fever - -	8	10	12	7	2	3	6	5	11	14	12	17	12
" " Enteric (or Ty- phoid) fever - - -	14	24	23	31	25	29	18	21	22	22	23	22	26
" " Simple Cont'd fever	9	9	9	12	9	7	16	19	12	10	19	8	3
" " Diarrhoea - - -	271	385	289	248	202	156	130	73	46	37	35	38	25
" " Simple Cholera -	46	32	25	9	19	5	3	3	4	1	1	2	1
" " Phthisis - - -	158	170	153	169	147	163	163	155	151	136	146	165	153
" " Bronchitis - - -	66	52	45	40	50	71	55	63	83	70	82	107	124
" " Pneumonia - - -	38	28	38	31	32	44	37	42	41	56	51	70	72
" " Heart Disease -	48	46	52	41	65	54	44	55	49	60	66	58	66
Mean Temperature of the Air	64·8	65·3	64·5	60·9	57·3	57·7	57·0	54·0	54·5	55·7	54·1	47·1	49·7
Mean Temperature of the Water of the Thames - }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - - -	74	81	75	69	67	75	82	82	85	83	86	79	86
Rain-fall in inches - - -	0·93	0·15	0·62	0·00	0·70	0·64	1·33	0·21	0·00	0·00	0·20	0·14	1·38

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Bilson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filler, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 22d day of October 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 22d Oct.	DEATHS registered during the Week ending 22d Oct.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Cen- timetres.
Total of 20 Towns in the UNITED KINGDOM	213,281	7,216,325	33·8	4729	3218	62·8	31·3	48·0	8·89	1·50	3·81
LONDON	77,997	3,214,707	41·2	2072	1334	59·9	39·8	49·7	9·83	1·38	3·50
PORTSMOUTH	9,513	122,084	12·8	55	39	62·8	31·3	47·2	8·44	1·83	4·65
NORWICH	7,472	81,087	10·9	55	40	59·0	37·8	48·6	9·22	1·53	3·89
BRISTOL	4,688	171,382	36·6	107	100	—	—	—	—	—	—
WOLVERHAMPTON	3,387	72,990	21·5	58	23	58·9	35·6	47·3	8·50	1·07	2·72
BIRMINGHAM	7,831	369,604	47·2	247	116	60·4	35·6	48·2	9·00	1·66	4·21
LEICESTER	3,200	97,427	30·4	93	65	59·7	35·2	47·8	8·78	1·66	4·21
NOTTINGHAM	1,996	88,888	44·5	45	34	61·0	35·7	47·9	8·83	1·10	2·79
LIVERPOOL	5,108	517,567	101·3	323	353	59·0	41·0	49·4	9·66	1·63	4·14
MANCHESTER	4,486	374,993	83·6	210	185	59·0	38·0	46·7	8·16	2·61	6·63
SALFORD	5,172	121,580	23·5	91	56	61·1	37·6	47·5	8·61	2·50	6·35
BRADFORD	6,590	143,197	21·7	100	79	59·5	33·1	48·0	8·89	1·17	2·97
LEEDS	21,572	259,527	12·0	227	144	61·0	41·0	48·9	9·39	1·15	2·92
SHEFFIELD	22,830	247,378	10·8	201	90	59·0	39·1	48·6	9·22	1·94	4·93
HULL	3,562	130,869	36·7	100	52	59·0	35·0	46·9	8·28	1·10	2·69
SUNDERLAND	3,306	100,979	30·5	53	31	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	90	51	53·0	40·0	46·2	7·89	1·34	3·40
EDINBURGH	4,427	178,970	40·4	143	65	59·7	38·0	47·5	8·61	0·60	1·52
GLASGOW	5,063	468,189	92·5	325	222	56·4	36·0	47·3	8·50	1·58	4·01
DUBLIN	9,745	321,540	33·0	130	139	61·9	36·0	50·5	10·28	1·07	2·72
PARIS	7,802	1,889,842	242	—	—	—	—	—	—	—	—
VIENNA	3,728*	622,087	167	Week ending 15 Oct. 1870.	Week ending 15 Oct. 1870.	Week ending 15th October 1870.					
BERLIN	6,253	800,000	128	Week ending 20 Oct. 1870.	Week ending 20 Oct. 1870.	—	51·4	10·75	—	—	—
				Week ending 20 Oct. 1870.	Week ending 20 Oct. 1870.	Week ending 20th October 1870.					

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 22d day of October 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
Total of 17 TOWNS	23	2792	636	482	19	34	352	17	48	151	91	102	186	362
LONDON	22	1334	265	239	17	20	192	8	24	41	25	56	100	184
PORTSMOUTH	17	39	7	10	—	—	1	—	—	1	1	—	3	7
NORWICH	26	40	10	9	—	1	3	—	1	3	—	—	2	1
BRISTOL	30	100	20	17	—	1	35	—	—	2	6	3	4	9
WOLVERHAMPTON . .	16	23	5	3	—	—	1	—	—	—	—	2	2	5
BIRMINGHAM	16	116	26	14	—	—	12	—	2	6	4	5	15	11
LEICESTER	85	65	17	1	—	—	16	—	1	3	1	—	1	5
NOTTINGHAM	20	34	6	7	—	—	7	—	—	2	1	—	—	5
LIVERPOOL	36	353	91	62	1	4	43	2	15	39	13	17	25	63
MANCHESTER	26	185	46	31	1	—	6	1	1	9	12	7	18	36
SALFORD	24	56	11	8	—	—	6	—	—	6	5	1	3	6
BRADFORD	29	79	30	13	—	1	4	3	2	3	5	4	4	3
LEEDS	29	144	34	28	—	7	2	2	2	17	7	2	2	13
SHEFFIELD	19	90	32	12	—	—	11	—	—	10	2	3	2	6
HULL	21	52	11	13	—	—	5	1	—	4	2	1	1	3
SUNDERLAND	16	31	8	7	—	—	1	—	—	1	1	—	—	1
NEWCASTLE-ON-TYNE	20	51	17	8	—	—	2	—	—	4	6	1	4	4
DUBLIN	23	139	18	31	—	1	17	—	3	6	11	5	6	25

TABLE 5.—DEATHS in LONDON Registered in the FORTY-SECOND Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Forty-second Week in the 10 years 1860-69.	In the Week ending Saturday, October 22, 1870.							CAUSES OF DEATH.		Averages of the Forty-second Week in the 10 years 1860-69.	In the Week ending Saturday, October 22, 1870.									
			Deaths of Persons of the Ages										Deaths of Persons of the Ages									
			ALL AGES.	Under 20.			40 and under 60.	60 and under 80.	80 Years and upwards.				ALL AGES.	Under 20.			40 and under 60.	60 and under 80.	80 Years and upwards.			
				Mean Tem.	0-5.	5-20.								Mean Tem.	0-5.	5-20.						
Mean Temperature -		50.7	49.7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		Mean Temperature -	50.7	49.7	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			
ALL CAUSES -		1283.4	1334	573	141	183	198	206	33		9. Stricture of Intestines -		.7	-	-	-	-	-	-	-		
SPECIFIED CAUSES		1277.1	1331	570	141	183	198	206	33		10. Fistula -		1.1	-	-	-	-	-	-	-		
ZYMOTIC DISEASES.											11. Stomach Disease, &c. -		5.5	5	3	-	-	1	1	-		
ORDER 1.											12. Pancreas Disease, &c. -		1.1	-	-	-	-	-	-	-		
Small-pox -		11.4	17	10	4	3	-	-	-	-	13. Hepatitis -		3.3	3	1	-	-	1	1	-		
Measles -		29.4	30	19	1	-	-	-	-	-	14. Jaundice -		4.7	3	1	-	-	1	1	-		
Scarlet Fever (Scarlatina) -		61.4	102	132	53	6	1	-	-	-	15. Liver Disease, &c. -		16.4	14	1	1	2	6	4	-		
Diphtheria -		11.2	8	5	3	-	-	-	-	-	16. Spleen Disease, &c. -		.1	-	-	-	-	-	-	-		
Quinsy -		.8	-	-	-	-	-	-	-	-	ORDER 5.											
Croup -		13.5	18	17	1	-	-	-	-	-	1. Nephritis -		1.3	3	-	1	1	1	-	-		
Whooping-cough -		31.6	24	24	-	-	-	-	-	-	2. Ischuria -		.4	-	-	-	-	-	-	-		
Typhus -		50.8	12	5	6	10	2	3	-	-	3. Bright's Disease (Nephria) -		6.5	8	-	2	-	4	1	1		
Enteric or Typhoid Fever -		50.8	3	2	-	-	-	-	-	-	4. Diabetes -		1.1	1	-	-	-	-	1	-		
Simple continued Fever -		9.3	14	6	-	1	3	4	-	-	5. Calculus (Stone) -		.6	-	-	-	-	-	-	-		
Erysipelas -		3.0	5	-	-	5	-	-	-	-	6. Cystitis -		1.1	-	-	-	-	-	-	-		
Puerperal Fever (Metria) -		.7	1	-	-	1	-	-	-	-	7. Kidney Disease, &c. -		7.4	8	1	1	2	2	2	-		
Carbuncle -		1.8	4	-	-	1	1	2	-	-	ORDER 6.											
Influenza -		43.3	25	18	2	-	2	3	-	-	1. Ovarian Dropsy -		.7	-	-	-	-	-	-	-		
Dysentery -		15.9	1	-	-	-	-	-	-	-	2. Uterus Disease, &c. -		4.2	4	-	-	1	2	1	-		
Diarrhoea -		.4	-	-	-	-	-	-	-	-	ORDER 7.											
Simple Cholera -		1.1	11	-	-	-	-	-	-	-	1. Synovitis (Arthritis) -		.2	2	-	-	-	2	-	-		
Ague -		7.9	11	-	-	5	2	2	-	-	2. Joint Disease, &c. -		3.8	7	2	1	2	2	-	-		
Remittent Fever -		.1	3	1	1	-	1	-	-	-	ORDER 8.											
Rheumatism -		.1	8	1	1	-	1	-	-	-	1. Phlegmon -		2.2	1	-	-	-	1	-	-		
Other Zymotic Diseases -		.1	8	1	1	-	1	-	-	-	2. Ulcer -		1.3	-	-	-	-	-	-	-		
ORDER 2.											3. Skin Disease, &c. -		1.3	2	2	-	-	-	-	-		
Syphilis -		9.1	8	6	1	1	-	-	-	-	IV. DEVELOPMENTAL DISEASES.											
Stricture of Urethra -		1.4	-	-	-	-	-	-	-	-	ORDER 1.											
Hydrophobia -		-	-	-	-	-	-	-	-	-	1. Premature Birth -		17.7	16	16	-	-	-	-	-		
Glanders -		-	-	-	-	-	-	-	-	-	2. Cyanosis -		2.4	2	2	-	-	-	-	-		
ORDER 3.											3. Spina Bifida -		1.1	1	1	-	-	-	-	-		
Privation -		.2	-	-	-	-	-	-	-	-	4. Other Malformations -		1.4	-	-	-	-	-	-	-		
Want of Breast-milk -		7.7	7	7	-	-	-	-	-	-	5. Teething -		11.3	8	8	-	-	-	-	-		
Purpura and Scoury -		1.4	1	1	-	-	-	-	-	-	ORDER 2.											
Also (a Del. Tremens) -		2.3	1	-	-	1	-	-	-	-	1. Paramenia -		.1	-	-	-	-	-	-	-		
Alism (a Intemperance) -		.6	-	-	-	-	-	-	-	-	2. Childbirth (see Puerperal Fever) -		4.9	5	-	-	5	-	-	-		
ORDER 4.											ORDER 3.											
Thrush -		4.5	3	3	-	-	-	-	-	-	1. Old Age -		42.9	39	-	-	-	-	22	17		
Worms, &c. -		.1	-	-	-	-	-	-	-	-	ORDER 4.											
CONSTITUTIONAL DIS.											1. Atrophy and Debility -		59.7	54	46	-	-	2	6	-		
ORDER 1.											V. VIOLENT DEATHS, &c.											
Gout -		1.1	1	-	-	-	-	1	-	-	ORDER 1.											
Dropsy -		15.6	11	2	3	2	1	1	2	-	(ACCIDENT OR NEGLIGENCE.)											
Cancer -		29.1	26	-	1	3	12	10	-	-	1. Fractures and Contusions -		15.8	29	-	5	8	5	8	-		
Cancrum Oris (Noma) -		.5	1	-	-	-	-	-	-	-	2. Wounds -		.6	4	3	-	1	-	-	-		
Mortification -		2.6	2	-	-	-	-	2	-	-	3. Burns and Scalds -		3.9	-	-	-	-	-	-	-		
ORDER 2.											4. Poison -		1.0	-	-	-	-	-	-	-		
Scrofula -		8.6	6	3	-	2	1	-	-	-	5. Drowning -		6.1	4	-	-	2	2	-	-		
Tabes Mesenterica -		21.1	12	12	-	-	-	-	-	-	6. Suffocation -		5.9	8	7	-	-	1	-	-		
Phthisis -		151.9	153	4	20	73	48	7	1	-	7. Otherwise -		1.9	3	2	1	-	-	-	-		
Hydrocephalus -		24.6	18	16	2	-	-	-	-	-	ORDER 3.											
II. LOCAL DISEASES.											(HOMICIDE.)											
ORDER 1.											1. Murder and Manslaughter -		2.0	3	3	-	-	-	-	-		
Cephalitis -		12.0	11	6	2	-	2	1	-	-	ORDER 4.											
Apoplexy -		30.1	56	8	1	4	16	25	1	-	(SUICIDE.)											
Paralysis -		24.6	23	-	-	1	5	16	1	-	1. Wounds (Gunshot Cut, Stab) -		.1	1	-	-	1	-	-	-		
Insanity -		1.3	1	-	-	1	-	-	-	-	2. Poison -		.7	-	-	-	-	-	-	-		
Chorea -		-	-	-	-	-	-	-	-	-	3. Drowning -		1.0	1	-	-	-	-	1	-		
Epilepsy -		8.1	4	-	-	1	2	1	-	-	4. Hanging -		1.6	-	-	-	-	-	-	-		
Convulsions -		46.2	46	46	-	-	-	-	-	-	5. Otherwise -		.5	-	-	-	-	-	-	-		
Brain Disease, &c. -		13.5	14	2	1	3	4	4	-	-	ORDER 5.											
ORDER 2.											(EXECUTION.)											
Pericarditis -		1.6	1	-	-	-	1	-	-	-	1. Hanging -		.2	1	-	-	1	-	-	-		
Aneurism -		2.0	3	-	-	1	2	-	-	-	Violent Deaths (not classed)		-	-	-	-	-	-	-	-		
Heart Disease, &c. -		55.1	66	-	7	15	20	22	2	-	Sudden Deaths (Cause un-		2.2	1	1	-	-	-	-	-		
ORDER 3.											ascertained)		4.1	2	2	-	-	-	-	-		
Laryngitis -		6.5	1	1	-	-	-	-	-	-	Causes not specified or ill-											
Bronchitis -		97.8	124	55	6	4	15	37	7	-	defined											
Pleurisy -		3.0	4	-	-	1	2	1	-	-												
Pneumonia -		79.8	72	55	4	4	6	3	-	-												
Asthma -		5.1	7	-	1	-	2	4	-	-												
Lung Disease, &c. -		12.1	5	3	-	-	1	1	-	-												
ORDER 4.																						
Gastritis -		1.9	2	1	1	-	-	-	-	-												
Enteritis -		5.9	3	2	-	1	-	-	-	-												
Peritonitis -		4.9	6	-	1	3	1	1	-	-												
Ascites -		2.9	2	-	-	-	1	-	1	-												
Ulceration of Intestines -		2.6	1	-	-	1	-	-	-	-												
Hernia -		2.6	1	-	-	-	-	1	-	-												
Hæm -		3.4	3	-	-	-	2	1	-	-												
Intussusception -		.6	1	-	-	-	-	1	-	-												

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

The DEATHS registered in the Week include																	
REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
LONDON	2,803,989	2072	1334	265	239	17	20	192	8	24	12	26	3	25	56	100	184
WEST DISTRICTS	458,125	330	204	44	41	-	2	32	-	5	-	1	2	5	5	9	22
NORTH DISTRICTS	618,210	472	333	60	67	4	6	45	2	4	5	11	-	5	15	34	61
CENTRAL DISTRICTS	383,321	196	138	27	23	1	3	13	1	2	1	3	-	2	10	19	22
EAST DISTRICTS	571,158	439	282	56	41	10	2	32	-	5	3	2	1	6	14	20	37
SOUTH DISTRICTS	773,175	635	387	78	67	2	7	70	5	8	3	9	-	7	12	18	42
WEST DISTRICTS.																	
St. Mary Paddington WH	39015	39	18	3	1	-	-	1	-	1	-	-	1	-	-	-	-
St. John Paddington H	36769	11	16	5	4	-	-	-	-	2	-	-	-	2	-	2	4
Kensington Town W	51910	61	39	7	8	-	-	8	-	1	-	-	-	1	1	2	-
Brompton H	18198	23	15	3	1	-	-	3	-	-	-	-	-	-	-	-	3
St. Peter Hammersmith	8415	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H	19104	31	6	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Fulham W	15539	22	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Chelsea South H	21654	15	12	1	4	-	-	2	-	1	-	-	-	-	-	1	2
Chelsea North-west HW	19899	9	8	1	2	-	-	2	-	-	-	-	-	1	-	-	1
Chelsea North-east	21886	6	4	-	2	-	-	-	-	-	-	-	-	-	-	1	-
Hanover Square	19773	5	10	2	3	-	1	1	-	-	-	-	-	-	2	2	-
May Fair W	12885	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgrave H	55113	27	31	5	7	-	-	7	-	-	-	1	1	-	-	-	6
St. John Westminster H	37438	28	12	4	3	-	-	1	-	-	-	-	-	1	-	1	-
St. Margaret Westminster WH	39730	16	7	2	2	-	-	1	-	-	-	-	-	-	-	-	3
St. James's Square	10753	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Golden Square W	13966	6	5	1	-	-	1	-	-	-	-	-	-	-	-	-	3
Berwick-street	10607	4	5	2	2	-	-	1	-	-	-	-	-	-	-	-	-
St. Anne Soho	17426	14	5	2	1	-	-	2	-	-	-	-	-	2	-	-	-
NORTH DISTRICTS.																	
All Souls Marylebone H	29952	12	17	2	3	-	-	1	-	-	-	-	-	-	8	3	9
Cavendish Square	15490	6	4	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Rectory Marylebone W	26692	21	15	2	2	-	1	1	-	-	-	-	-	-	-	-	7
St. Mary Marylebone H	22493	13	12	3	4	-	-	-	-	-	-	-	-	1	-	-	1
Christchurch Marylebone	34913	31	16	4	2	-	3	-	-	-	-	1	-	-	-	3	-
St. John Marylebone	32540	14	7	3	1	-	-	-	-	1	-	1	-	-	-	1	-
Hampstead WH	19106	8	8	1	3	-	-	1	-	-	-	-	-	-	-	1	-
Regent's Park Pancras	34927	21	19	5	4	-	-	7	-	-	-	-	-	1	-	-	-
Tottenham-court WH	29371	23	19	1	6	-	1	1	-	-	-	-	-	-	-	1	7
Gray's Inn Lane H	27808	19	9	2	3	-	-	-	-	1	1	-	-	-	1	1	-
Somers Town	39099	22	13	4	4	-	-	3	1	1	-	1	-	-	-	-	-
Camden Town W	28266	20	17	4	4	-	-	1	-	-	-	-	-	-	-	8	9
Kentish Town	44317	49	18	1	2	-	-	4	-	-	-	-	-	1	2	8	-
Islington West WH	75442	64	63	11	9	4	-	14	-	1	4	8	-	-	5	6	23
Islington East WH	79899	64	46	8	12	-	-	7	-	-	-	-	-	2	2	8	1
Stoke Newington	6678	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill	5483	4	3	-	-	-	-	1	-	-	-	-	-	-	1	1	-
West Hackney	24835	23	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Hackney WH	31481	98	20	6	3	-	-	1	-	-	-	-	-	-	1	-	4
South Hackney L	16458	25	12	3	4	-	-	2	-	-	-	-	-	-	-	-	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury	17892	7	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH	19483	16	8	3	1	-	-	1	-	-	-	-	-	1	-	1	-
St. Giles North	17201	7	6	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Long Acre	11618	8	6	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Charing Cross WH	11071	3	9	1	2	-	-	-	-	-	-	1	-	1	4	3	4
St. Mary-le Strand	10846	5	4	1	-	-	-	-	-	1	-	-	-	-	-	-	1
St. Clement Danes H	15997	5	4	-	-	-	-	1	1	-	-	-	-	-	-	-	-
St. George-the-Martyr H	19903	5	13	1	4	-	-	-	-	1	1	-	-	-	1	3	4
St. Andrew East Holborn W	12947	9	12	1	1	-	-	2	-	-	-	-	-	-	-	-	6
Saffron Hill	12012	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W	19152	12	7	2	-	-	-	-	-	-	-	-	-	-	-	1	1
Anwell Clerkenwell	17250	14	11	4	3	-	-	1	-	-	-	-	-	-	-	4	-
Fentonville	13079	7	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Goswell-street	16900	9	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Old-street	11594	11	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-
City-road HL	17860	16	6	2	-	1	-	-	-	-	-	-	-	-	-	2	-
Whitecross-street	14778	12	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury	12931	6	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-
St. Botolph East London	20990	13	4	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Cripplegate	19697	6	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-
St. Sepulchre WH	11750	3	10	1	-	-	-	1	-	-	-	-	-	-	3	3	6
St. Bride W	15395	6	6	2	2	-	1	1	-	-	-	-	-	-	-	-	-
Castle Baynard	7762	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch	9020	1	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Queenhithe	8570	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Alhallowes Barking	8659	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Broad Street	11544	6	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHThERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Saturday, 22d October 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
Holywell Shoreditch	17313	7	7	1	-	1	-	-	-	-	-	-	-	-	-	1	1	-
St. Leonard Shoreditch Lt	19188	14	8	2	-	-	-	1	-	-	-	-	1	-	-	-	-	-
Hoxton New Town w	26516	22	16	4	1	-	-	5	-	1	1	-	-	-	-	-	-	-
Hoxton Old Town -	25777	22	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Haggerstone West W	23260	19	13	3	3	-	-	2	-	-	-	-	1	-	-	-	-	2
Haggerstone East -	17310	16	8	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Hackney-road -	26298	23	16	7	1	1	-	6	-	1	-	-	-	-	1	-	-	-
Green, Bethnal Green WHLt	31789	26	16	2	2	1	1	-	-	-	-	-	-	-	1	-	-	-
Church, Bethnal Green -	25528	17	4	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Town, Bethnal Green -	21456	14	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Artillery Whitechapel -	6557	3	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Spitalfields -	15700	4	6	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Mile End New Town W	15392	9	14	2	3	-	-	2	-	-	-	-	-	-	-	-	1	7
Whitechapel North -	12122	11	6	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Whitechapel Church H	8062	4	13	-	1	-	-	-	-	-	-	-	-	-	-	4	4	10
Goodman's Fields -	11166	6	3	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-
Aldgate -	9971	9	5	-	-	1	-	1	-	-	-	-	-	-	-	1	1	-
St. Mary St. George East	18181	11	7	3	1	1	-	-	-	-	1	-	-	-	-	-	-	-
St. Paul St. George East	21015	26	14	3	1	-	-	5	-	-	-	-	-	-	-	1	-	-
St. John St. George East W	9695	15	8	4	-	1	-	-	-	-	-	-	-	-	1	-	-	4
Shadwell W -	12537	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratcliff WH	16874	13	11	3	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Limehouse W	27161	28	15	5	1	1	-	3	-	-	-	-	-	-	-	2	-	1
Mile End Old Town West	38747	22	14	3	3	-	-	1	-	2	-	-	-	-	-	-	-	-
Mile End Old Town East Wto	39317	32	23	2	4	-	-	-	-	-	1	-	-	-	1	1	2	5
Bow WtoLt -	35667	40	16	2	6	-	-	-	-	-	-	-	-	-	-	1	2	7
Poplar W -	43329	29	22	2	6	-	1	-	-	-	1	-	-	1	2	3	5	1
SOUTH DISTRICTS.																		
Christchurch Southwark W	17069	16	5	1	1	-	1	-	-	-	-	1	-	-	-	-	-	1
St. Saviour Southwark H	19101	-	4	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Kent-road -	19652	11	10	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Borough-road W	16668	10	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
London-road L	19199	9	12	2	1	-	-	2	-	-	-	-	-	-	1	-	-	4
Trinity Newington	22675	20	7	2	1	-	-	-	-	-	-	2	-	-	-	2	1	-
St. Peter Walworth W	44463	26	20	7	2	-	-	4	-	-	-	-	-	-	-	-	-	3
St. Mary Newington H	15082	15	7	-	-	-	-	1	-	-	-	-	-	-	-	2	2	4
St. Olave Southwark H	7683	2	11	-	2	-	-	-	-	-	-	-	-	-	-	4	4	11
St. John Horsleydown W	11393	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Leather Market	16696	15	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Magdalen W	16505	8	6	1	2	-	-	-	-	-	-	1	-	-	-	-	-	3
St. James Bermondsey	25154	45	13	3	2	-	-	3	-	-	-	-	-	-	-	-	-	-
Rotherhithe W	24502	18	7	3	1	-	-	1	-	-	-	-	-	-	-	1	1	-
Waterloo-road 1st	15269	9	11	3	-	-	2	1	-	-	1	-	-	-	-	-	-	-
Waterloo-road 2nd H	18640	24	12	-	-	-	-	4	-	1	-	-	-	-	1	-	-	-
Lambeth Church 1st	19839	12	11	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lambeth Church 2nd W	29542	39	20	6	4	-	-	3	-	-	-	-	-	-	-	1	4	5
Kennington 1st	39765	21	17	4	2	-	-	1	6	1	-	-	-	-	-	-	-	-
Kennington 2nd	20440	21	12	3	3	-	-	2	-	1	1	-	-	-	-	-	-	-
Brixton -	20067	16	10	3	3	-	-	1	-	-	1	-	-	-	-	-	-	-
Norwood W	7462	7	2	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Clapham -	20894	18	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Battersea W	19600	35	21	4	2	1	-	8	-	-	-	-	-	-	-	-	1	-
Wandsworth L	13346	11	8	-	1	-	-	4	-	-	-	-	-	-	-	-	-	-
Fulney -	6481	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streatham -	10082	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dulwich -	1723	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell WFLt	21297	19	14	-	7	-	-	1	-	-	-	-	-	-	-	-	-	-
Peckham W	23135	32	9	2	-	1	-	3	-	1	1	-	-	-	-	-	-	3
St. George Camberwell	20533	13	14	2	1	-	-	3	-	-	1	1	-	-	-	1	2	-
St. Paul Deptford	37834	39	19	6	1	-	1	4	-	1	-	1	-	-	1	1	2	-
St. Nicholas Deptford	8139	5	6	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Greenwich West H	21695	12	6	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich East WH	18306	16	15	2	3	-	-	3	-	2	-	1	-	-	-	-	-	5
Eltham -	3009	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee -	11003	4	9	2	2	-	-	3	-	-	-	-	-	-	-	-	-	-
Lewisham Village W	7372	8	6	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Sydenham -	10595	15	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Charlton H	9276	2	4	2	1	-	-	1	1	-	-	-	-	-	-	-	-	2
Woolwich Dockyard H	22919	11	9	2	1	-	-	3	-	1	1	-	-	-	-	-	-	-
Woolwich Arsenal H	18776	16	8	2	1	-	-	2	-	1	-	-	-	-	-	-	-	-
Plumstead, West	24502	9	7	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-
Plumstead, East		6	7	-	3	-	-	2	-	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - " " Tottenham-court sub-district.
London City - " " Islington East.
Do. do. - " " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.
London City - " " Mile End Old Town Eastern sub-dist. and
Stepney - " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7. — METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 22d OCTOBER, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BAROMETER.		READINGS OF THERMOMETERS.										DIFFERENCE.						WIND.				RAIN.				
Phases of Moon.		Mean daily (corrected and reduced to 32° Fahr. by Robert's bar.)		Dry.		Dew Point.		Highest in the sun, as shown by a self-registering thermometer.		Lowest on the Grass, as shown by self-registering thermometer.		In the Water of the Thames at Greenwich, by self-registering Thermometers.		Between Dew Point and Temperature.		Between mean temperature of the day and the same day, on an average of 30 years.*		Degree of humidity, complete saturation being represented by 100.		As deduced from Anemometers.				Collected in a Gauge in the morning, the surface is 5 in. above the ground.				
				High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.
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ELECTRICITY.

SKY AND ATMOSPHERE.

NOTES.

Generally overcast all night, then variable. Rain fell almost incessantly till 3h. P.M., accompanied by violent gusts of wind.

Variable amounts of cloud were prevalent throughout the day. Frequent showers of rain fell during the afternoon.

Small amounts of cloud prevailed during the morning, but the sky became overcast about 12h. and continued to overcast till midnight.

Cloudy throughout. Rain fell between midnight and 1h. A.M., and again during the afternoon, accompanied by hail about 4h. 40th. P.M. Solar halo.

Generally cloudy. Heavy showers of rain fell during the afternoon. A gale prevalent during the day.

A fine day; haze and misty during the morning; light clouds were prevalent throughout.

Cloudy till 9h. 30m. P.M., then generally cloudless. Rain fell more or less heavily from 2h. P.M. till 8h. P.M.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer are converted into mean daily values by the application of the correction tables of Glaisher, P.R.S., from five years' observations of humidity at Greenwich. See *Phil. Trans.* Part 1, 1848. The mean daily wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometer observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1833, December 31.

* In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.63 in. at the beginning of the week to 29.06 in. by 9h. P.M. on the 16th; increased to 29.78 in. by 9h. A.M. on the 18th; decreased to 29.20 in. by 9h. P.M. on the 19th; increased to 29.32 in. by 9h. A.M. on the 20th; decreased to 29.23 in. by 3h. P.M. on the same day; increased to 29.84 in. by 9h. P.M. on the 21st; and was 29.31 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 43. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, OCTOBER 29. [Price 1½d.

*General Register Office, Somerset House,
31st October 1870.*

DURING the week ending Saturday the 29th instant, 5029 *births* and 3073 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 22 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 21 per 1000; Portsmouth 17, Norwich 30, Bristol 31, Wolverhampton 14, Birmingham 16, Leicester 36, Nottingham 22, Liverpool 34, Manchester 23, Salford 29, Bradford 27, Leeds 23, Sheffield 19, Hull 19, Sunderland 21, and Newcastle-upon-Tyne 19.

In Edinburgh the annual rate of mortality last week was 20 per 1000 persons living, in Glasgow 23 per 1000, and in Dublin 20.

In Vienna the annual rate of mortality during the week ending 22d instant was 24 per 1000. In the City of Bombay the deaths registered during the week ending 4th October were 285 (exclusive of still-born), and the mortality was at the annual rate of 18 per 1000.

In LONDON the *births* of 1155 boys and 1074 girls, in all 2229 children, were registered last week. The *deaths* registered in the same time were 1266. During the corresponding weeks of ten previous years the registered births averaged 2043, and the deaths 1296 per week; after making due allowance for increase of population, the average for the past week is estimated at 2247 births and 1426 deaths; the registered births, therefore, were 18 and the deaths 160, below the estimated average.

Zymotic diseases caused 343 deaths, including 21 from small-pox, 13 from measles, 167 from scarlet fever, 9 from diphtheria, 7 from croup, 17 from whooping-cough, 6 from typhus, 24 from enteric (or typhoid) fever, 1 from relapsing fever, 6 from simple continued fever, 10 from erysipelas, and 29 from diarrhœa. One death was registered from choleraic diarrhœa.

Thirty-seven deaths resulted from violence: of these 34 were accidental, including 13 by fractures, 4 by burns or scalds, 3 by drowning, and 7 (infants) by suffocation.

A female, aged 69 years, died on 10th October, at the St. George's Union Workhouse, of "congestion of lungs, accelerated by want of clothing and firing; a few minutes." (*Post mort. Inquest.*) A weaver's son, aged 5 weeks, died on 14th October, at 21 East Street, Bethnal Green, of "want of sufficient nourishment through poverty." (*Post mort. Inquest.*)

Two fatal accidents caused by horses or vehicles in the streets were returned last week: a draper, aged 69 years, died on 22d instant, in Albany Street, Regent's Park, of "rupture of blood vessel," caused by a cab passing over his neck; the daughter of a hawker, aged 8 months, died on 24th ultimo, in Chinagard, in Whitecross-street sub-district, of "fractured skull, accidentally run over by a brewer's dray."

Professor Frankland in his report on the quality of the Metropolitan water supply during the month of October, states that all the samples taken were clear and transparent, the summer degree of purity being still maintained. People who have used the soft waters of Scotland, Wales, or the English lakes, find it unpleasant to wash in the hard waters now in use in London. And for all purposes soft water is preferable to hard. Now hard chalk waters are softened by Clark's

process in the large way at Canterbury by the very beautiful mechanism of Mr. Homersham; but as this is not yet used by the London Water Companies, Dr. Frankland has shown how by the process two-thirds of the impurities of Thames water can be got rid of in a private house.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·316 in.; the highest was 29·83 in. on Friday, and the lowest was 28·74 in. on Monday. The mean temperature of the *air* was 48°·2, or 0°·6 above the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 58°·8 on Sunday; the lowest night temperature was 41°·1 on Thursday; the entire range of temperature in the week was, therefore, 17°·7. The highest temperature in the sun was 101°·7 on Sunday. The difference between the mean *dew-point* temperature and *air* temperature was 3°·4. The mean degree of *humidity* of the air was 88, complete saturation being represented by 100. The general direction of the *wind* was W.S.W., and the horizontal movement of the air amounted to 16 miles per hour. *Rain* fell on four days in the week to the amount of 1·16 in.

The mean temperature of the week in the other large English towns furnishing returns ranged from 45°·1 in Newcastle-on-Tyne to 48°·7 in Leeds; the lowest recorded night temperature was 34°·2 in Portsmouth, and the highest day temperature in the shade was 60°·2 in Portsmouth. Rain fell in all the towns, the quantities measured ranging from 0·12 in. at Newcastle-on-Tyne to 1·96 in. at Salford.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 9°·0; the highest day temperature in the shade was 14°·9; the lowest night temperature was 5°·1; the highest temperature in the sun was 38°·7. The mean temperature of the week on an average of 50 years was 8°·7, or 0°·3 below the temperature of last week. The wind blew at the rate of 26 kilometers an hour, and the rain-fall was 2·94 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 269,406 cubic metres, and at Barking 235,925 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

ANALYSIS OF METROPOLITAN WATERS FOR OCTOBER.

SIR,

Royal College of Chemistry, 29th October, 1870.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of October. For the purpose of comparison I append also the results yielded by the waters supplied to Birmingham, Manchester, Glasgow, Aberdeen, Dundee, and Perth.

All the water supplied to the Metropolis was clear and transparent.

The supplies furnished by the New River and Kent Companies continue to be much purer, as regards organic elements, than the waters drawn from the Thames by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies. The water taken from the Lea by the East London Company was, when the samples were drawn, markedly purer than Thames water. By long storage in the reservoirs of this company, the evidence of previous sewage contamination in the Lea water had been entirely effaced. Of Thames water, that supplied by the West Middlesex and Grand Junction Companies was the best; but all the samples showed that the summer degree of purity was still maintained, although the hardness was augmented since September by from 2 to 3 parts in 100,000.

Dr. Hill reports that a sample of the water supplied to Birmingham on the 4th instant was nearly clear. The proportion of chlorine which fell from 7·44 parts in 100,000 in August to 3·54 parts in September, has now diminished to 2·12 parts. This water still contains, however, a rather large proportion of highly nitrogenised organic matter.

CLARK'S WATER-SOFTENING PROCESS.

I have continued my experiments on the softening of water by Clark's process, and the results of the analysis of Grand Junction water so softened, contained in the accompanying table, confirm my previous reports as regards the great improve-

ment effected thereby in the quality of Thames water. The experiments were made under great disadvantages, inasmuch as the softened water was exposed for 24 hours in a cistern on the roof of a house to the impurities of a London atmosphere before the sample was drawn for analysis; nevertheless the total solid impurity was reduced from 24·7 to 9·3 parts in 100,000, and the organic carbon to little more than one half its original amount; whilst the hardness was diminished from 21·8 to 3·4 parts in 100,000. On the other hand, the proportions of organic nitrogen and ammonia were slightly increased, doubtless owing to the access of the atmospheric impurities above mentioned, to which the sample of untreated Grand Junction water was not exposed, as it was drawn direct from the Companies main.

CLARK'S PROCESS OF SOFTENING is only applicable to such water as owes its hardness entirely or chiefly to the carbonates of lime and magnesia held in solution by carbonic acid. All the water supplied to London is of this character, and so is the water, generally, which is derived from chalk, limestone, or oolite districts.

The following is the method of performing the operation upon London water, which, after many trials, I have found to be the most simple and convenient on a small scale:—To soften 500 gallons of the water supplied by the Chelsea, West Middlesex, Southwark, Grand Junction, Lambeth, New River, or East London Company, slake thoroughly 9 ozs. of quicklime (chalk-lime is best) in a pailful of water, stir up the milk of lime and pour it immediately into a cistern containing at least 30 gallons of the water to be softened, taking care to leave in the pail any heavy sediment that may have settled to the bottom in the few seconds that intervene between the stirring and pouring. Fill the pail again with water and stir and pour as before. The remainder of the 500 gallons of water must then be added or allowed to run into the cistern from the supply pipe. If the rush of the water thus added does not thoroughly mix the contents of the cistern this must be accomplished by stirring with a suitable wooden or iron paddle. The water will now appear very milky owing to the precipitation of the chalk which it previously held in solution, together with an equal quantity of chalk which is formed from the quicklime added.

After standing for three hours the water will be sufficiently clear to be used for washing, but to render it transparent enough for drinking, at least twelve hours settlement is required. Before softening, Thames water has a brownish yellow tint when viewed in a cistern four or five feet deep; this is owing to the presence of coloured organic matter in solution; but after being softened and settled, it displays the blue-green tint of pure water, and resembles the Rhone as it emerges from the Lake of Geneva, the water of which has, in fact, been deprived of its organic colouring matter in a perfectly analogous manner, viz., by agitation with the mud of the glaciers of the Rhone and Zermat valleys. The chalk-mud precipitated from Thames water by milk of lime performs the same functions as the glacier-mud of Switzerland in removing coloured organic impurity from water.

The water supplied to London by the Kent Company being considerably harder than the Thames and Lea water delivered by the other companies, 500 gallons of it require 11 ozs. of quicklime for the softening operation.

Such were approximately the proportions of lime required to soften the London waters, at the time they were last collected for analysis, and, by observing these proportions, a tolerably satisfactory result will always be obtained; but as the hardness of these waters is subject to some variation at different seasons, it is necessary, in order to produce at all times maximum softness, to vary the proportions of lime in a corresponding degree. To enable the operator to do this, a very simple chemical test is employed, viz., a solution of nitrate of silver in distilled water. This solution has the property of striking a yellow or brownish yellow colour, when it is added to water which contains even a very minute trace of uncombined lime. During the final running of the remainder of the 500 gallons of water into the cistern as above described, a dessert spoonful of the milky water should be, from time to time, taken from the cistern and put into a white tea cup containing a couple of drops of the nitrate of silver solution; if a brownish coloration be produced, the slaked lime is still in great excess and more hard water must be admitted; but if the tint produced be a very faint yellow, only just visible, the proper proportion of lime to hard water has been attained, and the inflow of the latter must be stopped.

Any water which softens by being boiled for half an hour will be softened to an equal extent by Clark's process.

It deserves again to be mentioned that the patent for this valuable process having expired, the public are now free to use it; but the antiquated system of intermittent supply, which is still maintained in London, opposes a serious obstacle to its adoption in private houses, on account of the necessity for performing the operation in the few minutes during which the water is daily delivered from the companies' mains.

The Registrar General, &c., &c.

I have, &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 3d October, Cab Rank, Horse Guards }	14.4	23.80	.112	.022	.000	.095	.117	630	1.75	21.62
West Middlesex -	{ 3d October, Cab Rank, Portland-road }	15.0	22.86	.113	.015	.000	.127	.142	950	1.70	19.28
Southwark and Vauxhall - - -	{ 3d October, Cab Rank, St. George's Church, Borough }	15.3	24.00	.137	.025	.000	.110	.135	780	1.65	19.42
Grand Junction -	{ 10th October, Cab Rank, Woodstock-st. }	11.7	24.72	.102	.014	.001	.128	.143	970	1.60	21.78
Ditto, softened by Clark's process -	{ 12th October, 14, Lancaster Gate, Hyde Park. }	—	9.26	.066	.019	.004	.130	.152	1010	1.60	3.38
Lambeth - - -	{ 3d October, Cab Rank, Lambeth-road }	14.8	24.38	.133	.020	.000	.141	.161	1090	1.65	18.72
OTHER SOURCES.											
New River - - -	{ 3d October, Cab Rank, Tottenham- court-road }	15.3	24.60	.044	.011	.000	.154	.165	1220	1.50	18.58
East London - -	{ 3d October, Slater's Lamp Black Works, Old Ford-road }	16.4	23.72	.079	.017	.000	.000	.017	0	1.80	18.14
Kent - - -	{ 3d October, Deptfd. Bdge. Police Stat. }	13.9	38.12	.044	.012	.000	.359	.371	3270	2.20	25.56
Birmingham *- -	{ 4th October 1870, Birmingham Water Supply }	—	24.96	.314	.050	.002	.162	.213	1320	2.12	15.85
Manchester - - -	{ 29th January 1870, Manchester Water Supply }	—	5.74	.070	.007	.001	.000	.008	0	.80	2.48
Glasgow Water Supply - - -	{ 3d August 1870, From Loch Katrine - - From Gorbals }	16.7 17.8	2.40 8.80	.185 .339	.022 .049	.001 .002	.000 .018	.023 .069	0 0	.85 1.11	.88 4.41
Aberdeen - - -	{ 12th September 1870, Aberdeen Water Supply }	11.7	4.36	.399	.029	.000	.000	.029	0	.56	2.03
Dundee - - -	{ 15th September 1870, Water Supply from Moni- chie - - - Lady Well Spring - - - }	13.3 11.1	13.52 66.90	.415 .026	.063 .034	.006 .000	.047 3.260	.115 3.294	200 32280	1.46 10.90	6.59 24.22
Perth - - -	{ 15th September 1870, Water Supply from River Tay - - - Water Supply from Bridg- end Water Company - - }	— —	5.72 16.02	.119 .191	.018 .036	.000 .000	.000 .242	.018 .278	0 2100	.85 1.55	2.92 7.57
Column 1	2	3	4	5	6	7	8	9	10	11	12

* Analysed by Dr. Alfred Hill, of Queen's College, Birmingham.

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 3d October at the Horse Guard's cab-rank had a temperature of 14.4°C.; 100,000 lbs. of it contained 23.8 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained .112 lb. of carbon and .022 lb. of nitrogen. This solid impurity also contained .095 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was .117 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 630 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage contamination had been, so far as analysis can show, converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1.75 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 21.62 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTY-THIRD Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1949	1822	1890	1951	2031	2227	2148	2198	2034	2179	2042·9	2229
Males . .	994	945	990	1003	1044	1137	1099	1135	1012	1077	1043·6	1155
Females .	955	877	900	948	987	1090	1049	1063	1022	1102	999·3	1074
TOTAL Deaths	1026	1087	1224	1246	1409	1377	1394	1239	1421	1536	1295·9	1266
Males . .	525	579	609	611	699	721	697	610	719	803	657·3	656
Females .	501	508	615	635	710	656	697	629	702	733	638·6	610

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Aug. 6.	Aug. 13.	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.
TOTAL Deaths - - -	1648	1494	1398	1393	1426	1322	1197	1212	1277	1279	1416	1334	1266
Deaths under 5 years of age -	913	830	759	688	642	564	504	488	495	526	579	573	537
Deaths 5—20 - - -	123	124	118	130	152	150	139	123	163	150	169	141	123
Deaths 20—40 - - -	192	151	167	182	186	213	168	174	173	197	198	183	159
Deaths 40—60 - - -	189	177	153	183	201	189	179	207	182	203	233	198	225
Deaths 60—80 - - -	195	175	160	174	199	167	168	169	217	166	194	206	179
Deaths at 80 years & upwards	36	37	41	36	46	39	39	51	47	37	43	33	43
Deaths from Small-pox -	15	11	10	11	9	12	11	15	13	27	13	17	21
" " Measles - -	33	22	15	31	19	16	8	8	14	11	19	20	13
" " Scarlet Fever -	114	118	123	108	129	165	157	167	171	192	198	192	167
" " Diphtheria -	4	9	2	6	5	6	8	7	10	9	11	8	9
" " Whooping-cough -	24	25	17	20	21	15	14	13	13	16	20	24	17
" " Typhus fever -	10	12	7	2	3	6	5	11	14	12	17	12	6
" " Enteric (or Ty- phoid) fever -	24	23	31	25	29	18	21	22	22	23	22	26	24
" " Simple Contagious fever -	9	9	12	9	7	16	19	12	10	19	8	3	7
" " Diarrhœa - -	385	289	248	202	156	130	73	46	37	35	38	25	29
" " Simple Cholera -	32	25	9	19	5	3	3	4	1	1	2	1	1
" " Phthisis - -	170	153	169	147	163	163	155	151	136	146	165	153	136
" " Bronchitis - -	52	45	40	50	71	55	63	83	70	82	107	124	117
" " Pneumonia - -	28	38	31	32	44	37	42	41	56	51	70	72	78
" " Heart Disease -	46	52	41	65	54	44	55	49	60	66	58	66	70
Mean Temperature of the Air	65·3	64·5	60·9	57·3	57·7	57·0	54·0	54·5	55·7	54·1	47·1	49·7	48·2
Mean Temperature of the Water of the Thames - }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	81	75	69	67	75	82	82	85	83	86	79	86	88
Rain-fall in inches - -	0·15	0·62	0·00	0·70	0·64	1·33	0·21	0·00	0·00	0·20	0·14	1·38	1·16

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency M. Chevreau, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; R. C. Cann-Lippincott, Esq., F.M.S., Over Court, Bristol; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filiter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 29th day of October 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 29th Oct.	DEATHS registered during the Week ending 29th Oct.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CEN- TI- GRADE.)	RAIN FALL	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM - -	213,281	7,216,325	33·8	5029	3073	62·4	34·1	47·4	8·55	0·98	2·4
LONDON - - -	77,997	3,214,707	41·2	2229	1266	58·8	41·1	48·2	9·00	1·16	2·9
PORTSMOUTH - -	9,513	122,084	12·8	57	39	60·2	34·2	46·2	7·89	1·29	3·3
NORWICH - - -	7,472	81,087	10·9	50	47	57·5	39·2	46·6	8·11	0·76	1·9
BRISTOL - - -	4,688	171,882	36·6	123	101	—	—	—	—	—	—
WOLVERHAMPTON -	3,887	72,990	21·5	51	19	55·8	40·5	47·6	8·66	0·69	1·7
BIRMINGHAM - -	7,831	369,604	47·2	230	112	57·2	41·5	48·6	9·22	0·66	1·6
LEICESTER - - -	3,200	97,427	30·4	74	67	58·0	38·7	47·1	8·39	0·87	2·2
NOTTINGHAM - -	1,996	88,888	44·5	80	33	58·1	38·1	47·5	8·61	0·49	1·2
LIVERPOOL - - -	5,108	517,567	101·3	370	340	55·6	43·0	48·5	9·16	1·33	3·3
MANCHESTER - -	4,486	374,993	83·6	234	164	57·0	38·0	47·7	8·72	1·67	4·2
SALFORD - - -	5,172	121,580	23·5	91	67	56·1	37·6	47·4	8·55	1·96	4·9
BRADFORD - - -	6,590	143,197	21·7	88	75	56·1	41·2	48·0	8·89	1·52	3·8
LEEDS - - -	21,572	259,527	12·0	207	115	57·0	41·0	48·7	9·29	1·24	3·1
SHEFFIELD - - -	22,830	247,378	10·8	211	88	57·0	41·5	48·0	8·89	0·90	2·2
HULL - - -	3,562	130,869	36·7	90	47	57·0	35·0	45·2	7·33	0·54	1·3
SUNDERLAND - -	3,306	100,979	30·5	91	40	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	104	48	53·0	38·0	45·1	7·28	0·12	0·3
EDINBURGH - - -	4,427	178,970	40·4	117	68	54·7	40·0	47·5	8·61	0·30	0·7
GLASGOW - - -	5,063	468,189	92·5	375	209	62·4	34·1	47·1	8·39	1·36	3·4
DUBLIN - - -	9,745	321,540	33·0	157	123	57·5	38·0	48·7	9·28	0·81	2·0
PARIS - - -	7,802	1,889,842	242	—	—	—	—	—	—	—	—
VIENNA - - -	3,728*	622,087	167	Week ending 22 Oct. 1870.	Week ending 22 Oct. 1870. 237	—	—	46·6	8·13	—	—
BERLIN - - -	6,253	800,000	123	Week ending 27 Oct. 1870.	Week ending 27 Oct. 1870.	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 29th day of October 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Houses.
Total of 17 TOWNS -	22	2673	662	452	25	35	319	16	42	150	78	79	136	351
LONDON - - -	21	1266	288	222	21	13	167	9	17	37	29	37	65	189
PORTSMOUTH - -	17	39	11	9	—	—	—	—	2	3	—	1	3	2
NORWICH - - -	30	47	11	8	—	2	11	—	—	3	2	—	1	5
BRISTOL - - -	31	101	26	12	—	—	26	1	1	4	4	4	4	9
WOLVERHAMPTON -	14	19	4	6	—	1	2	1	—	2	—	—	—	5
BIRMINGHAM - -	16	112	31	21	—	5	5	1	2	6	9	7	10	13
LEICESTER - - -	36	67	16	10	—	1	16	—	4	3	2	1	3	—
NOTTINGHAM - -	22	38	3	9	—	—	—	—	—	8	—	2	2	9
LIVERPOOL - - -	34	340	99	50	3	8	50	2	12	33	6	18	23	47
MANCHESTER - -	23	164	41	29	1	1	4	—	1	11	5	1	6	37
SALFORD - - -	29	67	20	15	—	—	3	—	1	5	4	3	4	14
BRADFORD - - -	27	75	20	12	—	2	8	—	—	5	3	1	5	4
LEEDS - - -	23	115	31	19	—	2	5	—	1	7	3	2	4	7
SHEFFIELD - - -	19	88	20	13	—	—	5	2	—	12	3	—	2	6
HULL - - -	19	47	11	7	—	—	10	—	—	6	1	1	1	2
SUNDERLAND - -	21	40	15	4	—	—	4	—	—	2	4	1	2	1
NEWCASTLE-ON-TYNE	19	48	15	6	—	—	3	—	1	3	3	—	1	5
DUBLIN - - -	20	123	9	23	—	1	19	—	2	11	7	5	4	30

TABLE 5.—DEATHS in LONDON Registered in the FORTY-THIRD Week of the Year 1870.

		In the Week ending Saturday, October 29, 1870.									In the Week ending Saturday, October 29, 1870.								
		Deaths of Persons of the Ages									Deaths of Persons of the Ages								
		ALL AGES.	Under 20.		20 and under 40.		40 and under 60.	60 and under 80.			ALL AGES.	Under 20.		20 and under 40.		40 and under 60.	60 and under 80.		
		Mean Temp.	0-5.	5-20.							Mean Temp.	0-5.	5-20.						
CAUSES OF DEATH.		Mean Temperature	48° 9	48° 2	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature	48° 9	48° 2	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES -		1295° 9	1268	537	123	159	225	179	43		1295° 9	1268	537	123	159	225	179	43	
SPECIFIED CAUSES		1288° 1	1261	536	123	158	224	178	42		1288° 1	1261	536	123	158	224	178	42	
I. ZYMOTIC DISEASES.																			
ORDER 1.																			
1. Small-pox		9° 1	21	12	6	3	-	-	-		1. Small-pox		9° 1	21	12	6	3	-	-
2. Measles		30° 7	13	13	-	-	-	-	-		2. Measles		30° 7	13	13	-	-	-	-
3. Scarlet Fever (Scarlatina)		93° 1	167	108	52	6	1	-	-		3. Scarlet Fever (Scarlatina)		93° 1	167	108	52	6	1	-
4. Diphtheria		9° 8	9	6	1	1	1	-	-		4. Diphtheria		9° 8	9	6	1	1	1	-
5. Quinsy		1° 2	-	-	-	-	-	-	-		5. Quinsy		1° 2	-	-	-	-	-	-
6. Croup		13° 0	7	6	1	-	-	-	-		6. Croup		13° 0	7	6	1	-	-	-
7. Whooping-cough		31° 8	17	17	-	-	-	-	-		7. Whooping-cough		31° 8	17	17	-	-	-	-
8. Typhus		-	6	-	-	2	2	2	-		8. Typhus		-	6	-	-	2	2	-
— Enteric or Typhoid Fever		52° 2	24	2	4	13	2	3	-		— Enteric or Typhoid Fever		52° 2	24	2	4	13	2	3
— Simple continued Fever		-	7	5	1	-	-	-	-		— Simple continued Fever		-	7	5	1	-	-	-
9. Erysipelas		6° 6	10	2	1	-	5	2	-		9. Erysipelas		6° 6	10	2	1	-	5	2
10. Puerperal Fever (Metria)		8° 3	8	-	-	3	-	-	-		10. Puerperal Fever (Metria)		8° 3	8	-	-	3	-	-
11. Carbuncle		9°	-	-	-	-	-	-	-		11. Carbuncle		9°	-	-	-	-	-	-
12. Influenza		5°	-	-	-	-	-	-	-		12. Influenza		5°	-	-	-	-	-	-
13. Dysentery		2° 8	1	-	-	1	-	-	-		13. Dysentery		2° 8	1	-	-	1	-	-
14. Diarrhoea		32° 4	29	21	1	-	4	2	1		14. Diarrhoea		32° 4	29	21	1	-	4	2
15. Simple Cholera		12° 5	1	-	1	-	-	-	-		15. Simple Cholera		12° 5	1	-	1	-	-	-
16. Ague		3°	-	-	-	-	-	-	-		16. Ague		3°	-	-	-	-	-	-
17. Remittent Fever		9°	-	-	-	-	-	-	-		17. Remittent Fever		9°	-	-	-	-	-	-
18. Rheumatism		8° 7	11	1	2	3	4	1	-		18. Rheumatism		8° 7	11	1	2	3	4	1
19. Other Zymotic Diseases		3°	1	1	-	-	-	-	-		19. Other Zymotic Diseases		3°	1	1	-	-	-	-
ORDER 2.																			
1. Syphilis		5° 9	4	3	1	-	-	-	-		1. Syphilis		5° 9	4	3	1	-	-	-
2. Stricture of Urethra		1° 0	-	-	-	-	-	-	-		2. Stricture of Urethra		1° 0	-	-	-	-	-	-
3. Hydrophobia		-	-	-	-	-	-	-	-		3. Hydrophobia		-	-	-	-	-	-	-
4. Glanders		-	-	-	-	-	-	-	-		4. Glanders		-	-	-	-	-	-	-
ORDER 3.																			
1. Privation		2°	-	-	-	-	-	-	-		1. Privation		2°	-	-	-	-	-	-
2. Want of Breast-milk		9° 1	5	5	-	-	-	-	-		2. Want of Breast-milk		9° 1	5	5	-	-	-	-
3. Purpura and Scoury		1° 5	2	1	-	-	1	-	-		3. Purpura and Scoury		1° 5	2	1	-	-	1	-
4. Alco-ja Del Tremens		2° 4	-	-	-	-	-	-	-		4. Alco-ja Del Tremens		2° 4	-	-	-	-	-	-
— holism | b Intemperance		1° 1	2	-	-	1	1	-	-		— holism | b Intemperance		1° 1	2	-	-	1	1	-
ORDER 4.																			
1. Thrush		2° 3	3	3	-	-	-	-	-		1. Thrush		2° 3	3	3	-	-	-	-
2. Worms, &c.		1°	-	-	-	-	-	-	-		2. Worms, &c.		1°	-	-	-	-	-	-
II. CONSTITUTIONAL DIS.																			
ORDER 1.																			
1. Gout		1° 9	2	-	-	-	2	-	-		1. Gout		1° 9	2	-	-	-	2	-
2. Dropsy		13° 3	13	1	1	1	3	5	2		2. Dropsy		13° 3	13	1	1	1	3	5
3. Cancer		27° 2	29	-	-	1	3	16	9		3. Cancer		27° 2	29	-	-	1	3	16
4. Cancerum Oris (Noma)		6°	-	-	-	-	-	-	-		4. Cancerum Oris (Noma)		6°	-	-	-	-	-	-
5. Mortification		3° 4	3	-	-	1	-	-	2		5. Mortification		3° 4	3	-	-	1	-	2
ORDER 2.																			
1. Scrofula		10° 4	11	9	1	-	1	-	-		1. Scrofula		10° 4	11	9	1	-	1	-
2. Tabes Mesenterica		18° 5	18	16	1	-	1	-	-		2. Tabes Mesenterica		18° 5	18	16	1	-	1	-
3. Phthisis		157° 3	136	7	20	54	49	5	1		3. Phthisis		157° 3	136	7	20	54	49	5
4. Hydrocephalus		21° 7	21	19	1	-	1	-	-		4. Hydrocephalus		21° 7	21	19	1	-	1	-
III. LOCAL DISEASES.																			
ORDER 1.																			
1. Cephalitis		10° 7	8	5	2	-	1	-	-		1. Cephalitis		10° 7	8	5	2	-	1	-
2. Apoplexy		34° 8	42	6	2	2	12	18	2		2. Apoplexy		34° 8	42	6	2	2	12	18
3. Paralysis		24° 6	22	-	-	1	3	13	5		3. Paralysis		24° 6	22	-	-	1	3	13
4. Insanity		1° 2	1	-	-	-	-	1	-		4. Insanity		1° 2	1	-	-	-	1	-
5. Chorea		1°	-	-	-	-	-	-	-		5. Chorea		1°	-	-	-	-	-	-
6. Epilepsy		5° 6	3	-	-	1	-	1	1		6. Epilepsy		5° 6	3	-	-	1	-	1
7. Convulsions		42° 0	39	35	1	-	-	-	-		7. Convulsions		42° 0	39	35	1	-	-	-
8. Brain Disease, &c.		15° 0	18	-	1	3	4	8	2		8. Brain Disease, &c.		15° 0	18	-	1	3	4	8
ORDER 2.																			
1. Pericarditis		2° 6	2	-	-	2	-	-	-		1. Pericarditis		2° 6	2	-	-	2	-	-
2. Aneurism		3° 0	4	-	-	1	3	-	-		2. Aneurism		3° 0	4	-	-	1	3	-
3. Heart Disease, &c.		53° 1	70	-	4	10	35	20	1		3. Heart Disease, &c.		53° 1	70	-	4	10	35	20
ORDER 3.																			
1. Laryngitis		7° 3	4	3	1	-	-	-	-		1. Laryngitis		7° 3	4	3	1	-	-	-
2. Bronchitis		117° 5	117	63	-	6	18	26	4		2. Bronchitis		117° 5	117	63	-	6	18	26
3. Pleurisy		2° 4	3	-	-	2	-	-	-		3. Pleurisy		2° 4	3	-	-	2	-	-
4. Pneumonia		85° 3	78	45	3	12	13	5	-		4. Pneumonia		85° 3	78	45	3	12	13	5
5. Asthma		7° 0	7	-	-	-	5	2	-		5. Asthma		7° 0	7	-	-	-	5	2
6. Lung Disease, &c.		10° 0	11	4	-	-	1	6	-		6. Lung Disease, &c.		10° 0	11	4	-	-	1	6
ORDER 4.																			
1. Gastritis		1° 3	-	-	-	-	-	-	-		1. Gastritis		1° 3	-	-	-	-	-	-
2. Enteritis		6° 6	4	3	-	-	-	1	-		2. Enteritis		6° 6	4	3	-	-	-	1
3. Peritonitis		4° 3	5	-	2	-	-	3	-		3. Peritonitis		4° 3	5	-	2	-	-	3
4. Ascites		2° 6	-	-	-	-	-	-	-		4. Ascites		2° 6	-	-	-	-	-	-
5. Ulceration of Intestines		1° 3	4	1	-	1	2	-	-		5. Ulceration of Intestines		1° 3	4	1	-	1	2	-
6. Hernia		2° 2	2	-	-	-	-	1	-		6. Hernia		2° 2	2	-	-	-	-	1
7. Ileus		3° 3	4	-	1	1	2	-	-		7. Ileus		3° 3	4	-	1	1	2	-
8. Intussusception		1° 2	-	-	-	-	-	-	-		8. Intussusception		1° 2	-	-	-	-	-	-
CAUSES OF DEATH.																			
Mean Temperature - 48° 9																			
9. Stricture of Intestines - 1° 1																			
10. Fistula - 2° 2																			
11. Stomach Disease, &c. - 6° 0																			
12. Pancreas Disease, &c. - 1° 1																			
13. Hepatitis - 3° 1																			
14. Jaundice - 3° 2																			
15. Liver Disease, &c. - 17° 8																			
16. Splenic Disease, &c. - 3° 8																			
ORDER 5.																			
1. Nephritis - 1° 7																			
2. Ischuria - 2° 2																			
3. Bright's Disease (Nephria) - 10° 7																			
4. Diabetes - 1° 5																			
5. Calculus (Stone) - 5° 5																			
6. Cystitis - 1° 0																			
7. Kidney Disease, &c. - 6° 6																			
ORDER 6.																			
1. Ovarian Dropsy - 3° 8																			
2. Uterus Disease, &c. - 4° 0																			
ORDER 7.																			
1. Synovitis (Arthritis) - 3° 8																			
2. Joint Disease, &c. - 4° 7																			
ORDER 8.																			
1. Phlegmon - 2° 4																			
2. Ulcer - 1° 2																			
3. Skin Disease, &c. - 1° 3																			
IV. DEVELOPMENTAL DISEASES.																			
ORDER 1.																			
1. Premature Birth - 19° 7																			
2. Cyanosis - 2° 4																			
3. Spina Bifida - 7°																			
4. Other Malformations - 1° 8																			
5. Teething - 10° 5																			
ORDER 2.																			
1. Paramenia - 4°																			
2. Childbirth (see Paer- peral Fever) - 4° 7																			
ORDER 3.																			
1. Old Age - 41° 3																			
ORDER 4.																			
1. Atrophy and Debility - 62° 2																			
V. VIOLENT DEATHS, &c.																			
ORDER 1.																			
(ACCIDENT OR NEGLIGENCE.)																			
1. Fractures and Contusions - 12° 7																			
2. Wounds - 4° 4																			
3. Burns and Scalds - 4° 6																			
4. Poison - 6° 3																			
5. Drowning - 5° 3																			
6. Suffocation - 4° 9																			
7. Otherwise - 2° 7																			
ORDER 3.																			
(HOMICIDE.)																			
1. Murder and Manslaughter - 2° 2																			
ORDER 4.																			
(SUICIDE.)																			
1. Wounds { Gunshot - 2°																			
Cut, Stab - 1° 0																			
2. Poison - 6°																			
3. Drowning - 8°																			
4. Hanging - 1° 5																			
5. Otherwise - 9°																			
ORDER 5.																			
(EXECUTION.)																			
1. Hanging - 1°																			
Violent Deaths (not classed) - 3°																			
Sudden Deaths (Cause un- ascertained) Cause not specified or ill- defined - 1° 5																			
6° 3																			

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON		2,803,989	2229	1266	288	222	21	13	167	9	17	6	24	7	29	37	65	189	
WEST DISTRICTS		458,125	325	211	42	43	2	1	29	-	2	-	4	1	6	3	10	37	
NORTH DISTRICTS		618,210	453	303	69	56	5	4	36	4	2	3	10	-	7	3	16	49	
CENTRAL DISTRICTS		383,221	257	187	82	17	1	1	13	3	-	1	2	-	1	5	7	27	
EAST DISTRICTS		571,158	508	253	73	48	12	4	17	-	6	1	2	1	4	16	23	44	
SOUTH DISTRICTS		773,175	686	362	72	58	1	3	72	2	7	1	6	5	11	10	9	32	
WEST DISTRICTS.																			
St. Mary Paddington WH		39015	39	15	3	3	-	-	1	-	1	-	-	-	-	1	1	2	
St. John Paddington H		36769	16	13	1	5	-	-	-	-	-	-	-	-	-	-	-	-	
Kensington Town W		51910	78	28	10	4	-	1	4	-	-	-	-	-	2	-	1	7	
Brompton H		18198	6	10	2	2	-	-	3	-	-	-	-	-	-	-	-	-	
St. Peter Hammersmith		5415	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H		19104	18	12	3	3	-	-	1	-	-	1	-	2	-	-	-	-	
Fulham W		15539	17	15	2	6	-	-	3	-	-	-	-	1	-	1	3	-	
Chelsea South H		21654	14	7	1	1	-	-	3	-	-	-	-	-	-	-	-	1	
Chelsea North-west HW		19899	19	12	2	4	-	-	3	-	-	-	-	-	-	1	-	-	
Chelsea North-east		21886	11	9	3	-	-	-	1	-	-	-	-	-	-	-	-	-	
Hanover Square		19773	6	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
May Fair W		12885	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H		55113	28	24	1	1	-	-	3	-	-	1	-	-	1	1	9	1	
St. John Westminster H		37483	36	19	7	1	1	-	3	-	1	-	-	-	-	-	1	1	
St. Margaret Westminster WH		30730	5	17	2	7	1	-	1	-	-	-	-	1	1	2	11	-	
St. James's Square		10753	3	6	-	2	-	-	-	-	-	1	-	-	-	-	-	-	
Golden Square W		13966	10	8	-	2	-	-	1	-	-	-	1	-	-	-	1	2	
Berwick-street		10607	5	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Anne Soho		17426	9	8	2	-	-	-	1	-	-	1	-	-	-	-	-	-	
NORTH DISTRICTS.																			
All Souls Marylebone H		29632	9	19	3	4	1	1	5	-	-	-	-	-	-	-	1	3	
Cavendish Square		15099	3	5	-	1	-	-	-	-	-	-	-	-	-	-	1	-	
Rectory Marylebone W		26692	15	17	4	5	-	-	-	2	-	-	-	-	2	-	-	3	
St. Mary Marylebone H		22493	30	8	1	5	-	-	-	-	1	-	-	-	-	-	-	-	
Christchurch Marylebone		34913	17	11	4	1	-	1	-	-	-	-	-	1	-	-	-	-	
St. John Marylebone		32540	13	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Hampstead WH		19106	16	10	-	3	-	-	2	-	1	-	-	-	-	1	1	-	
Regent's Park Pancras		34927	19	12	2	3	-	-	2	1	-	-	-	-	-	1	1	-	
Tottenham-court WH		29371	18	16	2	4	-	-	-	-	-	-	-	-	-	-	1	7	
Gray's Inn Lane H		27808	18	12	5	-	-	-	1	-	-	-	-	-	-	1	-	-	
Somers Town		39099	24	12	1	1	-	1	4	-	-	-	2	-	1	1	6	12	
Camden Town W		22366	12	17	4	5	-	-	2	-	-	-	-	-	1	-	1	-	
Kentish Town		44317	45	22	3	1	-	-	4	-	-	-	2	-	1	-	-	-	
Islington West* WHH		75442	60	53	12	11	3	-	5	1	-	3	8	-	2	-	-	14	
Islington East W		79890	80	44	15	6	1	-	7	-	-	-	-	-	-	-	1	1	
Stoke Newington		6698	3	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
Stamford Hill		5483	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney		24265	18	4	-	1	-	-	1	-	-	-	1	-	-	-	1	-	
Hackney WH		31481	31	17	5	3	-	-	2	-	-	-	-	-	-	-	-	-	
South Hackney L		16458	18	15	6	1	-	1	1	-	-	-	2	-	-	1	-	-	
CENTRAL DISTRICTS.																			
St. George Bloomsbury		17392	13	7	2	1	-	-	2	-	-	-	-	-	-	-	-	-	
St. Giles South WH		19483	17	14	2	-	-	-	2	-	-	-	-	-	-	-	1	-	
St. Giles North		17201	13	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Long Acre		11618	4	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH		11071	6	4	-	-	-	-	1	-	-	-	-	-	-	-	-	2	
St. Mary-le-Strand		10346	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H		15207	8	4	1	-	-	-	-	-	-	-	-	-	1	1	3	8	
St. George-the-Martyr H		19903	14	14	-	2	-	-	3	1	-	1	-	-	-	-	-	2	
St. Andrew East Holborn W		12947	13	6	1	1	-	-	-	-	-	-	1	-	-	-	1	4	
Saffron Hill		12012	10	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W		19122	9	8	3	-	-	-	1	-	-	-	-	-	-	-	-	2	
Anwell Clerkenwell		17250	20	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pentonville		13079	12	4	-	1	-	1	-	-	-	-	-	-	-	-	-	-	
Goswell-street		16200	15	6	1	-	-	-	-	-	-	1	-	-	-	-	-	-	
Old-street		11504	17	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
City-road HL		17860	19	5	1	1	-	-	1	-	-	-	-	-	-	-	-	-	
Whitecross-street		14778	12	9	5	1	-	-	1	-	-	-	-	-	2	2	-	-	
Finsbury		12931	6	5	3	-	1	-	-	-	-	-	-	-	1	-	-	-	
St. Botolph East London		20990	12	8	3	3	-	-	-	-	-	-	-	-	-	-	-	-	
Cripplegate		19637	8	2	-	-	-	-	-	1	-	-	-	-	-	1	1	7	
St. Sepulchre WH		11750	3	9	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Bride W		15395	11	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Castle Baynard		7762	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch		9020	5	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe		8570	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Allhallows Barking		8659	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street		11544	8	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

- W—Workhouse;
- H—Hospital;
- L—Lunatic Asylum;
- W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West. † Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Saturday, 29th October 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																	
Holywell Shoreditch	17313	12	8	1	-	1	-	-	-	-	-	-	-	-	-	2	-
St. Leonard Shoreditch L†	19188	11	5	2	-	-	-	1	-	-	-	-	-	-	-	-	-
Hoxton New Town W	26516	18	10	4	3	-	1	1	-	-	-	-	-	-	-	-	-
Hoxton Old Town	25777	22	6	2	5	-	-	-	-	-	-	-	-	-	1	1	-
Haggerstone West W	23260	24	20	6	5	1	-	-	-	-	-	-	-	1	3	2	8
Haggerstone East	17310	19	8	3	-	-	-	2	-	-	-	-	-	-	-	-	-
Hackney-road	26298	31	10	4	-	2	1	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green WHL†	31789	41	22	4	9	-	-	-	-	-	1	-	-	-	3	6	10
Church, Bethnal Green	25528	22	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Town, Bethnal Green	21486	19	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Artillery Whitechapel	6557	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Spitalfields	15700	13	3	-	1	1	-	-	-	-	-	-	-	-	-	1	-
Mile End New Town W	15392	10	13	2	2	-	1	2	-	-	-	-	-	-	1	-	8
Whitechapel North	12122	5	6	3	-	-	-	1	-	-	-	-	-	-	-	-	-
Whitechapel Church H	8062	3	11	1	1	-	-	-	-	-	-	-	-	-	3	3	10
Goodman's Fields	11166	8	2	-	1	-	-	-	-	-	-	-	1	-	-	-	-
Aldgate	9071	6	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-
St. Mary St. George East	18181	13	8	2	1	-	-	-	-	1	-	-	-	-	-	1	-
St. Paul St. George East	21015	11	7	2	-	-	-	2	-	-	-	-	-	-	-	-	-
St. John St. George East W	9695	14	5	2	-	1	-	-	-	-	-	-	-	-	-	-	3
Shadwell W	12537	5	4	1	2	-	-	-	-	-	-	-	-	-	-	-	1
Ratcliff WH	16874	12	3	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Limehouse W	27161	22	15	6	2	-	-	4	-	-	-	-	-	-	1	-	-
Mile End Old Town West	33747	31	9	4	2	1	-	-	-	-	-	-	-	-	-	-	-
Mile End Old Town East W & W	39317	46	21	4	6	1	1	3	-	-	-	-	-	-	-	-	3
Bow W & L†	35667	64	24	9	7	-	-	1	-	-	2	-	-	-	-	1	2
Poplar W	43529	23	21	7	3	-	1	-	-	-	2	-	-	-	3	3	1
SOUTH DISTRICTS.																	
Christchurch Southwark W	17069	8	7	2	1	-	-	4	-	-	-	-	-	-	1	1	-
St. Saviour Southwark H	10101	6	8	4	1	-	-	2	-	-	-	-	-	-	-	-	-
Kent-road	19652	15	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Borough-road W	16608	18	8	1	1	-	-	-	-	-	1	-	-	-	-	-	3
London-road L	19190	17	10	2	2	-	-	-	-	-	-	-	-	-	1	1	2
Trinity Newington	22475	14	10	3	1	-	-	1	-	1	-	-	-	-	-	-	-
St. Peter Walworth W	44463	53	11	4	1	-	1	-	-	-	-	-	-	-	1	1	-
St. Mary Newington H	15082	14	8	1	-	-	-	2	-	-	-	-	1	-	-	1	2
St. Olave Southwark H	7663	-	7	-	1	-	-	-	-	-	-	-	-	-	1	1	6
St. John Horsleydown W	11393	10	6	1	1	-	-	2	-	-	-	-	-	-	-	-	-
Leather Market	16696	9	7	1	1	-	-	-	-	-	-	-	-	-	-	1	-
St. Mary Magdalen W	16305	10	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. James Bermondsey	25154	34	13	5	1	-	-	2	-	1	-	-	-	1	1	-	-
Rotherhithe W	24502	23	13	1	3	-	-	1	-	-	-	-	-	-	-	-	4
Waterloo-road 1st	15269	6	6	1	2	-	-	2	-	1	-	-	-	-	-	-	-
Waterloo-road 2nd H	18640	17	7	2	-	-	-	5	-	-	-	-	-	-	-	-	-
Lambeth Church 1st	19839	14	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Lambeth Church 2nd W	29542	32	15	1	2	-	-	1	-	-	-	-	1	-	-	-	2
Kennington 1st	30785	28	12	5	2	-	-	3	-	-	-	-	-	1	-	-	-
Kennington 2nd	20440	24	6	-	1	-	-	3	-	-	-	-	-	-	-	-	-
Brixton	20067	27	11	2	2	-	-	1	-	-	-	-	-	-	2	-	-
Norwood W	7462	4	2	-	1	-	-	-	1	-	-	-	-	-	-	-	-
Clapham	20894	19	9	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Battersea W	19600	34	26	3	1	-	-	4	-	1	-	-	-	1	-	-	3
Wandsworth L	13346	14	12	1	2	-	-	4	-	-	-	1	-	-	1	1	3
Putney	6481	10	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Streatham	10082	7	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Dulwich	1723	3	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Camberwell W & L†	21397	21	5	-	3	-	-	-	-	-	-	-	-	-	-	-	2
Peckham W	28135	27	18	2	8	-	-	2	-	-	-	2	-	-	-	-	-
St. George Camberwell	20333	31	12	5	1	-	1	2	-	-	-	1	1	-	-	-	-
St. Paul Deptford	37834	39	14	-	3	1	-	4	-	1	-	1	-	-	-	-	-
St. Nicholas Deptford	8139	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West H	21696	15	9	1	2	-	-	2	-	-	-	-	-	-	-	-	-
Greenwich East WH	18306	12	11	3	3	-	-	1	-	-	-	1	-	-	-	-	4
Eltham	3009	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee	11003	7	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-
Lewisham Village W	7372	4	7	2	1	-	-	-	-	-	-	-	-	1	-	-	-
Sydenham	10595	9	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Charlton H	9276	6	2	-	-	-	-	1	-	-	-	-	-	-	1	-	1
Woolwich Dockyard H	22919	5	8	1	1	-	1	3	-	-	-	-	-	1	-	-	-
Woolwich Arsenal H	18776	13	10	5	1	-	-	2	1	-	-	-	-	-	-	-	-
Plumstead West	14	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumstead East	24502	9	10	-	1	-	-	4	-	2	-	-	-	1	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.

The Strand " " " " Tottenham-court sub-district.

London City " " " " Islington East.

Do. do. " " " " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.

London City " " " " Mile End Old Town Eastern sub-dist. and

Stepney " " " " Bow sub-district.

" " " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

[Under the Superintendence of the Astronomer Royal.]

NOTES.

The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.31 in. at the beginning of the week to 28.74 in. by 9h. a.m. on the 24th; increased to 29.45 in. by 9h. p.m. on the 25th; decreased to 29.31 in. by moon on the 26th; increased to 29.83 in. by 9h. p.m. on the 28th; and was 29.60 in. at the end of the week.

SKY AND ATMOSPHERE.

Rain fell heavily between 2h. A.M. and 10h. 30m. A.M., and again between 3h. P.M. and 4h. P.M. Large amounts of cloud were prevalent till evening, then generally cloudless. Occasional flashes of lightning were observed at night.

Thin rain-fall occasionally during the morning. Generally overcast till 5h. P.M.; afterwards cloudless. A line aurora at night; the magnets disturbed.

Generally cloudy till night; then variable. Aurora again observed at night; a very large magnetic disturbance.

Cloudy and foggy throughout the day. Variable amounts of cloud prevailed at night. Frequent vivid flashes of lightning were observed between 5h. P.M. and 8h. P.M.

Variable till night, then cloudless. A shower of rain fell about 7h. 30m. P.M.
Rain fell heavily between 4h. A.M. and 7h. A.M. Cloudy and foggy till 9h.; then cloudless.
Overcast throughout. Rain fell almost continuously between 11h. A.M. and 3h. 30m. P.M.

Rain fell heavily between 4h. A.M. and 7h. A.M. Cloudy and foggy till night; then cloudless.

Overcast throughout. Rain fell almost continuously between 11h. A.M. and 5h. 30m. P.M.

ELECTRICITY.

The electrical apparatus was out of order.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 44. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, NOVEMBER 5. [Price 1d.

*General Register Office, Somerset House,
7th November 1870.*

DURING the week ending Saturday the 5th instant, 5019 *births* and 3227 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 23 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 22 per 1000; Portsmouth 15, Norwich 33, Bristol 32, Wolverhampton 14, Birmingham 19, Leicester 34, Nottingham 21, Liverpool 35, Manchester 23, Salford 27, Bradford 23, Leeds 27, Sheffield 20, Hull 17, Sunderland 18, and Newcastle-upon-Tyne 27.

In Edinburgh the annual rate of mortality last week was 25 per 1000 persons living, in Glasgow 24 per 1000, and in Dublin 20.

It is now 114 days since the Weekly Returns from Berlin, and 49 days since the Returns from Paris were discontinued on account of the war.

In Vienna the annual rate of mortality during the week ending 29th ultimo, was 25 per 1000. In the City of Bombay the deaths registered during the week ending 11th October were 300 (exclusive of still-born), and the mortality was at the annual rate of 19 per 1000.

In LONDON the *births* of 1145 boys and 1053 girls, in all 2198 children, were registered last week. The *deaths* registered in the same time were 1343. During the corresponding weeks of ten previous years the registered births averaged 2050, and the deaths 1335 per week; after making due allowance for increase of population, the average for the past week is estimated at 2255 births and 1469 deaths: the registered births, therefore, were 57, and the deaths 126, below the estimated average.

Zymotic diseases caused 378 deaths, including 23 from small-pox, 27 from measles, 174 from scarlet fever, 7 from diphtheria, 11 from croup, 10 from whooping-cough, 10 from typhus, 20 from enteric (or typhoid) fever, 1 from relapsing fever, 14 from simple continued fever, 14 from erysipelas, and 16 from diarrhœa. From "simple cholera" or choleraic diarrhœa 2 deaths were registered.

Five deaths from small-pox were registered in the sub-district of Mile End Old Town Eastern.

The three following deaths were returned by coroner's juries as having been more or less due to unwholesome dwellings: a coal porter's daughter, aged 6 months, died on 31st October, at 30 Sidmouth-street, Grays Inn Lane, of "congestion of lungs, accelerated by impure air of kitchen in which she died;" a labourer's son, aged 21 months, died on 26th October, at 4 Neale's Yard, St. Giles, of "effusion of serum in chest, accelerated by bad air of house;" a tin-plate maker's daughter, aged 4 months, was found dead, on the 23d October, at 18 Crown Street, St. Giles, of "suffocation from want of fresh air in a close room."

Five fatal accidents caused by horses or vehicles in the streets were returned last week: a boy, aged 7 years, was brought dead to Guy's Hospital, on 27th October, having been run over by a cart in Stamford-street; a widow, aged 80 years, died on 28th October at Guy's Hospital, of injuries from being trodden under foot by a van horse in Counter-street; an errand boy, aged 14 years, died on 3d instant at London Hospital, of pyæmia after having been run over by a

waggon; a boy, aged 5 years, died on 30th October, at Bromley (Bow), of "fractured skull from velocipede and man falling on him accidentally;" an agricultural labourer, aged 69 years, died on 24th October, at St. George's Hospital, of injuries from being knocked down by a pony and cart in High Street, Brompton.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 30·100 in.; the highest was 30·36 in. on Wednesday, and the lowest was 29·37 in. on Monday. The mean temperature of the *air* was 44°·1, or 2°·1 below the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 56°·4 on Monday; the lowest night temperature was 30°·0 on Wednesday; the entire range of temperature in the week was, therefore, 26°·4. The highest temperature in the sun was 95°·1 on Tuesday. The mean temperature was 10° below the average on Thursday. The difference between the mean *dew-point* temperature and *air* temperature was 2°·8. The mean degree of *humidity* of the air was 90, complete saturation being represented by 100. The general direction of the *wind* was N.N.E. and W.S.W.; and the horizontal movement of the air amounted to 8 miles per hour. *Rain* fell on one day (Monday) in the week to the amount of 0·47 in.

The mean temperature of the week in the other large English towns furnishing returns ranged from 42°·6 in Manchester, to 45°·9 in Leeds; the lowest recorded night temperature was 25°·8 in Portsmouth, and the highest day temperature in the shade was 60°·2 in Portsmouth. Rain fell in all the towns, the quantities measured ranging from 0·08 in. at Hull, to 1·07 in. at Birmingham.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 6°·7; the highest day temperature in the shade was 13°·6; the lowest night temperature was -1°·1; the highest temperature in the sun was 35°·1. The mean temperature of the week on an average of 50 years was 7°·9, or 1°·2 above the temperature of last week. The wind blew at the rate of 13 kilometers an hour, and the rain-fall was 1·20 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 218,157 cubic metres, and at Barking 239,575 cubic metres, equivalent to about as many tons by weight.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of SEPTEMBER 1870: thus, according to their account, 106,322,943 gallons or 483,074 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 100·3 decalitres, rather more than a *ton* by weight, to each house, and 14·1 decalitres (= 31·1 gallons) to each person.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for do- mestic consumption) during the Month of	
	AUGUST 1870.	SEPTEMBER 1870.	AUGUST 1870.	SEPTEMBER 1870.
TOTAL SUPPLY	481,199	481,660	111,719,750	106,322,943
From Thames	221,749	222,101	58,027,747	54,865,094
From Lea and from other Sources	259,450	259,559	53,692,003	51,457,849
THAMES.				
Chelsea	27,486	27,486	9,078,000	8,283,300
West Middlesex	41,009	41,154	9,770,862	9,113,040
Southwark and Vauxhall	77,171	77,213	15,698,193	15,599,834
Grand Junction	30,929	30,929	11,377,102	10,855,120
Lambeth	45,154	45,319	12,208,600	11,013,800
LEA AND OTHER SOURCES.				
New River	117,976	118,085	25,698,000	24,141,000
East London	101,817	101,817	20,052,016	19,772,769
Kent	39,657	39,657	7,941,987	7,544,080

Note.—The Return for September as compared with that for August shows an increase of 461 houses, and a decrease of 5,396,807 gallons of water supplied daily.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTY-FOURTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1868	1836	1883	1835	2017	2055	2276	2095	2342	2293	2050·0	2198
Males . .	956	947	920	962	1019	1067	1135	1041	1180	1177	1040·4	1145
Females .	912	889	963	873	998	988	1141	1054	1162	1116	1009·6	1053
TOTAL Deaths	1049	1078	1184	1252	1454	1413	1432	1196	1521	1772	1335·1	1343*
Males . .	539	569	590	659	757	733	743	597	777	890	685·4	703
Females .	510	509	594	593	697	680	689	599	744	882	649·7	640

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	Aug. 13	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.	Nov. 5.
TOTAL Deaths - - -	1494	1398	1393	1426	1322	1197	1212	1277	1279	1416	1334	1266	1343*
Deaths under 5 years of age -	830	759	688	642	564	504	488	495	526	579	573	537	568
Deaths 5–20 - - -	124	118	130	152	150	139	123	163	150	169	141	123	141
Deaths 20–40 - - -	151	167	182	186	213	168	174	173	197	198	183	159	203
Deaths 40–60 - - -	177	153	183	201	189	179	207	182	203	233	198	225	193
Deaths 60–80 - - -	175	160	174	199	167	168	169	217	166	194	206	179	190
Deaths at 80 years & upwards	37	41	36	46	39	39	51	47	37	43	33	43	43
Deaths from Smallpox - -	11	10	11	9	12	11	15	13	27	13	17	21	23
" " Measles - - -	22	15	31	19	16	8	8	14	11	19	20	13	27
" " Scarlat Fever -	118	126	108	129	165	157	167	171	192	198	192	167	174
" " Diphtheria - -	9	2	6	5	6	8	7	10	9	11	8	9	7
" " Whooping-cough	25	17	20	21	15	14	13	13	16	20	24	17	10
" " Typhus fever - -	12	7	2	3	6	5	11	14	12	17	12	6	10
" " Enteric (or Ty- phoid) fever - - -	23	31	25	29	18	21	22	22	23	22	26	24	20
" " Simple Cont ^d fever	9	12	9	7	16	19	12	10	19	8	3	7	15
" " Diarrhoea - - -	289	248	202	156	130	73	46	37	35	38	25	29	16
" " Simple Cholera -	25	9	19	5	3	3	4	1	1	2	1	1	2
" " Phthisis - - -	153	169	147	163	163	155	151	136	146	165	153	136	148
" " Bronchitis - - -	45	40	50	71	55	63	83	70	82	107	124	117	120
" " Pneumonia - - -	38	31	32	44	37	42	41	56	51	70	72	78	81
" " Heart Disease -	52	41	65	54	44	55	49	60	66	58	66	70	61
Mean Temperature of the Air	64·5	60·9	57·3	57·7	57·0	54·0	54·5	55·7	54·1	47·1	49·7	48·2	44·1
Mean Temperature of the Water of the Thames }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	75	69	67	75	82	82	85	83	86	79	86	88	90
Rain-fall in inches - -	0·62	0·00	0·70	0·64	1·33	0·21	0·00	0·00	0·20	0·14	1·38	1·16	0·47

* The return for the sub-district of Belgrave was not received when the tables were under preparation, but an average of 25, derived from the returns of six previous weeks, is substituted for the true number, which is 21.

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna is good enough to supply the returns for that city.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereith, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 5th day of November 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 5th Nov.	DEATHS registered during the Week ending 5th Nov.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	5019	3227	60·2	25·8	44·3	6·84	0·46	1·17
LONDON - - -	77,997	3,214,707	41·2	2198	1343	56·4	29·8	44·1	6·73	0·47	1·20
PORTSMOUTH - - -	9,513	122,084	12·8	91	36	60·2	25·8	42·7	5·95	0·15	0·38
NORWICH - - -	7,472	81,087	10·9	39	52	54·5	32·7	45·3	7·39	0·60	1·52
BRISTOL - - -	4,688	171,382	36·6	108	104	—	—	—	—	—	—
WOLVERHAMPTON - -	3,387	72,990	21·5	56	20	52·1	30·1	42·7	5·95	0·59	1·50
BIRMINGHAM - - -	7,831	369,604	47·2	239	133	53·9	29·4	43·3	6·28	1·07	2·72
LEICESTER - - -	3,200	97,427	30·4	75	64	55·2	29·7	43·8	6·55	0·67	1·70
NOTTINGHAM - - -	1,996	88,888	44·5	58	36	54·9	30·8	44·7	7·06	0·55	1·50
LIVERPOOL - - -	5,108	517,567	101·3	433	345	52·5	35·8	45·4	7·44	0·34	0·86
MANCHESTER - - -	4,486	374,993	88·6	262	168	53·5	29·0	42·6	5·89	0·40	1·02
SALFORD - - -	5,172	121,580	23·5	97	62	53·5	31·1	43·0	6·11	0·38	0·96
BRADFORD - - -	6,590	143,197	21·7	121	62	55·7	34·8	45·6	7·55	0·70	1·78
LEEDS - - -	21,572	259,527	12·0	162	133	55·0	32·0	45·9	7·72	0·28	0·71
SHEFFIELD - - -	22,830	247,378	10·8	194	93	57·0	31·0	44·6	7·00	0·40	1·02
HULL - - -	3,562	130,869	36·7	81	43	54·0	29·0	43·4	6·33	0·08	0·20
SUNDERLAND - - -	3,306	100,979	30·5	70	34	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	94	69	—	—	—	—	—	—
EDINBURGH - - -	4,427	178,970	40·4	145	87	54·7	35·0	46·2	7·89	0·10	0·25
GLASGOW - - -	5,063	468,189	92·5	354	217	52·2	32·5	44·8	7·11	0·21	0·54
DUBLIN - - -	9,745	321,540	33·0	142	126	56·0	29·5	45·7	7·61	0·75	1·91
PARIS - - -	7,802	1,889,842	242	—	—	—	—	—	—	—	—
VIENNA - - -	3,723*	622,087	167	Week ending 29 Oct. 1870.	Week ending 29 Oct. 1870. 296	—	—	46·4	8·00	—	—
BERLIN - - -	6,253	800,000	128	Week ending 3 Nov. 1870.	Week ending 3 Nov. 1870.	—	—	—	—	—	—
Week ending 29th October 1870.											
Week ending 3d November 1870.											

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 5th day of November 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	40 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Houses.
Total of 17 TOWNS	23	2797	613	487	30	49	330	19	26	149	53	93	155	394
LONDON - - -	22	1343	274	230	23	27	174	7	10	45	16	36	67	214
PORTSMOUTH - - -	15	36	7	11	—	—	1	—	—	—	—	1	1	7
NORWICH - - -	33	52	14	14	—	2	10	1	—	2	3	—	—	5
BRISTOL - - -	32	104	22	15	—	—	31	—	1	3	2	3	5	11
WOLVERHAMPTON - -	14	20	4	2	—	3	1	—	—	1	—	—	—	3
BIRMINGHAM - - -	19	133	33	22	—	1	15	2	5	6	3	11	20	16
LEICESTER - - -	34	64	11	6	—	—	22	1	—	5	2	—	1	3
NOTTINGHAM - - -	21	36	6	5	—	—	2	—	—	8	1	—	2	—
LIVERPOOL - - -	35	345	84	67	6	4	38	4	7	37	4	18	18	67
MANCHESTER - - -	23	168	40	34	1	1	6	—	—	8	6	5	16	25
SALFORD - - -	27	62	25	8	—	—	2	1	—	4	1	3	4	2
BRADFORD - - -	23	62	13	10	—	2	2	1	—	5	5	2	1	3
LEEDS - - -	27	133	25	22	—	8	5	—	1	11	3	3	5	9
SHEFFIELD - - -	20	93	15	15	—	—	8	1	—	5	2	2	3	10
HULL - - -	17	43	6	8	—	—	8	—	—	3	—	3	3	4
SUNDERLAND - - -	18	34	10	5	—	—	2	—	2	2	2	2	2	5
NEWCASTLE-ON-TYNE	27	69	24	13	—	1	3	1	—	4	3	4	7	10
DUBLIN - - -	20	126	10	34	—	1	17	—	3	8	5	8	6	46

TABLE 5.—DEATHS IN LONDON Registered in the FORTY-FOURTH Week of the Year 1870.

CAUSES OF DEATH.	Averages of the Forty-fourth Week in the 10 years 1860-69.	In the Week ending Saturday, November 5, 1870.							CAUSES OF DEATH.	Averages of the Forty-fourth Week in the 10 years 1860-69.	In the Week ending Saturday, November 5, 1870.						
		Deaths of Persons of the Ages									Deaths of Persons of the Ages						
		ALL AGES.	Under 20.		20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.			ALL AGES.	Under 20.		20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
			Mean Tem.	0-5.								5-20.	Mean Tem.					0-5.	5-20.
Mean Temperature -	46·3	44·1						Mean Temperature -	46·3	44·1							
ALL CAUSES -	1335·1	1343·7	557	138	199	194	187	43	9. Stricture of Intestines -	·9	-	-	-	-	-	-	
SPECIFIED CAUSES	1326·8	1315	555	138	199	193	187	43	10. Fistula -	·6	2	-	-	1	1	1	
ZYMOTIC DISEASES.									11. Stomach Disease, &c. -	5·1	4	1	-	1	1	1	
ORDER 1.									12. Pancreas Disease, &c. -	4·1	2	-	-	1	1	1	
Small-pox -	10·1	23	15	2	4	1	1	-	13. Hepatitis -	3·8	4	2	-	1	1	1	
Measles -	35·4	27	27	-	-	-	-	-	14. Jaundice -	15·0	24	-	-	4	14	5	
Scarlet Fever (Scarlatina) -	97·3	174	113	55	6	-	-	-	15. Spleen Disease, &c. -	·2	-	-	-	-	-	-	
Diphtheria -	10·3	7	2	4	-	-	-	-	ORDER 5.								
Quincy -	1·2	11	10	1	-	-	-	-	1. Nephritis -	1·0	2	-	-	1	1	-	
Croup -	14·5	10	10	-	-	-	-	-	2. Ischuria -	·3	15	1	1	1	8	4	
Whooping-cough -	36·6	10	10	-	-	-	-	-	3. Bright's Disease (Nephria) -	9·4	3	-	-	2	1	-	
Typhus -	10	10	3	3	4	-	-	-	4. Diabetes -	1·5	1	-	-	-	-	-	
Enteric or Typhoid Fever -	55·1	20	2	6	7	3	1	1	5. Calculus (Stone) -	·6	1	-	-	-	-	-	
Simple continued Fever -	15	15	7	5	2	2	3	-	6. Cystitis -	1·1	4	-	1	-	-	-	
Erysipelas -	7·2	14	8	1	4	1	3	-	7. Kidney Disease, &c. -	8·2	-	-	1	-	2	1	
Puerperal Fever (Metria) -	1·1	5	-	-	-	-	-	-	ORDER 6.								
Carbuncle -	1·0	1	1	-	-	-	-	-	1. Ovarian Dropsy -	·9	-	-	-	-	-	-	
Influenza -	2·0	3	-	-	-	3	-	-	2. Uterus Disease, &c. -	4·2	8	-	-	3	4	1	
Dysentery -	27·8	16	18	-	-	-	1	2	ORDER 7.								
Diarrhoea -	7·9	2	-	2	-	-	-	-	1. Synovitis (Arthritis) -	·2	-	-	-	-	-	-	
Simple Cholera -	·4	-	-	-	-	-	-	-	2. Joint Disease, &c. -	4·6	1	-	1	-	-	-	
Acuter -	1·1	-	-	-	-	-	-	-	ORDER 8.								
Remittent Fever -	10·1	9	-	3	8	1	2	-	1. Phlegmon -	1·8	3	-	-	-	2	1	
Rheumatism -	-	1	1	-	-	-	-	-	2. Ulcer -	1·3	1	-	-	-	-	1	
Other Zymotic Diseases -	-	-	-	-	-	-	-	-	3. Skin Disease, &c. -	1·1	-	-	-	-	-	-	
ORDER 2.									IV. DEVELOPMENTAL DISEASES.								
1. Syphilis -	7·8	12	7	1	4	-	-	-	ORDER 1.								
2. Stricture of Urethra -	·8	-	-	-	-	-	-	-	1. Premature Birth -	18·5	17	17	-	-	-	-	
3. Hydrophobia -	-	-	-	-	-	-	-	-	2. Cyanosis -	1·8	4	4	-	-	-	-	
4. Glanders -	-	-	-	-	-	-	-	-	3. Spina Bifida -	1·4	-	-	-	-	-	-	
ORDER 3.									4. Other Malformations -	1·1	3	3	-	-	-	-	
1. Privation -	·5	-	-	-	-	-	-	-	5. Teething -	11·3	15	15	-	-	-	-	
2. Want of Breast-milk -	10·7	10	10	-	-	-	-	-	ORDER 2.								
3. Purpura and Scurvy -	2·0	1	-	-	1	-	-	-	1. Paramenia -	·1	-	-	-	-	-	-	
4. Alco- & Del. Tremens -	1·9	-	-	-	-	-	-	-	2. Childbirth (see Puerperal Fever) -	6·0	5	-	-	4	1	-	
5. Holism & Del. Intemperance -	-	-	-	-	-	-	-	-	ORDER 3.								
ORDER 4.									1. Old Age -	41·7	40	-	-	-	23	17	
1. Thrush -	2·7	6	6	-	-	-	-	-	ORDER 4.								
2. Worms, &c. -	·2	-	-	-	-	-	-	-	1. Atrophy and Debility -	61·5	39	33	-	-	2	4	
V. CONSTITUTIONAL DIS.									V. VIOLENT DEATHS, &c.								
ORDER 1.									ORDER 1.								
1. Gout -	·8	3	7	2	-	2	1	1	(ACCIDENT OR NEGLIGENCE.)								
2. Dropsy -	12·4	7	2	-	-	1	3	1	1. Fractures and Contusions -	15·1	16	-	4	5	1	5	
3. Cancer -	23·5	38	-	1	6	17	13	1	2. Wounds -	·3	1	-	1	-	-	-	
4. Cancerum Oris (Noma) -	·2	1	1	-	-	-	-	-	3. Burns and Scalds -	5·5	5	-	-	-	-	-	
5. Mortification -	3·0	3	-	-	-	-	2	1	4. Poison -	·9	2	-	-	1	1	-	
ORDER 2.									5. Drowning -	4·5	5	-	1	3	-	1	
1. Scrofula -	8·1	5	5	-	-	-	-	-	6. Suffocation -	7·0	5	5	-	-	-	-	
2. Tuberc Mesenterica -	20·4	14	13	-	-	1	-	-	7. Otherwise -	2·0	3	1	-	-	2	-	
3. Phtisis -	155·9	148	3	17	81	40	7	-	ORDER 3.								
4. Hydrocephalus -	24·2	24	19	5	-	-	-	-	(HOMICIDE.)								
III. LOCAL DISEASES.									1. Murder and Manslaughter	1·7	1	1	-	-	-	-	
ORDER 1.									ORDER 4.								
1. Cephalitis -	10·6	11	4	3	3	-	1	-	(SUICIDE.)								
2. Apoplexy -	30·1	37	-	1	4	10	19	3	1. Wounds { Gunshot -	·2	-	-	-	-	-	-	
3. Paralysis -	24·5	28	1	-	-	5	19	3	2. Cut, Stab -	·7	-	-	-	-	-	-	
4. Insanity -	1·8	1	-	-	-	-	-	-	3. Poison -	1·4	-	-	-	-	-	-	
5. Chorea -	·1	1	-	1	-	-	-	-	4. Drowning -	·7	1	-	-	-	1	-	
6. Epilepsy -	7·5	7	-	8	3	1	-	-	4. Hanging -	1·3	1	-	-	1	-	-	
7. Convulsions -	45·3	53	53	-	-	-	-	-	5. Otherwise -	·3	-	-	-	-	-	-	
8. Brain Disease, &c. -	17·6	12	1	1	3	5	2	-	ORDER 5.								
ORDER 2.									(EXECUTION.)								
1. Pericarditis -	3·1	3	-	1	1	1	-	-	1. Hanging -	·1	-	-	-	-	-	-	
2. Aneurism -	2·3	2	-	-	1	1	-	-	Violent Deaths (not classed)	·4	-	-	-	-	-	-	
3. Heart Disease, &c. -	53·1	61	-	5	14	17	24	1	Sudden Deaths (Cause un-	2·2	-	-	-	-	-	-	
ORDER 3.									ascertained)	-	-	-	-	-	-	-	
1. Laryngitis -	5·6	5	3	1	1	-	-	-	Causes not specified or ill-	6·1	28†	2	-	-	1	-	
2. Bronchitis -	132·5	120	65	2	3	17	28	5	defined	-	-	-	-	-	-	-	
3. Pleurisy -	1·9	2	1	1	-	-	-	-									
4. Pneumonia -	91·4	81	39	2	7	9	4	-									
5. Asthma -	8·5	2	-	-	-	1	-	1									
6. Lung Disease, &c. -	13·1	19	9	1	3	8	3	-									
ORDER 4.																	
1. Gastritis -	2·2	1	-	-	-	2	1	1									
2. Enteritis -	5·7	4	-	-	-	-	-	-									
3. Peritonitis -	5·4	4	1	1	2	-	-	-									
4. Ascites -	3·4	2	-	-	-	-	1	-									
5. Ulceration of Intestines -	2·2	1	-	-	2	2	-	-									
6. Hernia -	2·4	1	-	-	-	-	1	-									
7. Ileus -	3·3	-	-	-	-	-	-	-									
8. Intussusception -	1·2	-	-	-	-	-	-	-									

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

† An average of 25 is added without distinction of ages. See note *, page 371, where the ages have been proportionally distributed.

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
LONDON	2,803,989	2198	1343	274	230	23	27	174	7	10	10	20	15	16	36	67	214	
WEST DISTRICTS	458,125	334	220	47	37	1	6	26	1	-	1	1	2	4	6	17	36	
NORTH DISTRICTS	618,210	458	300	44	55	7	2	53	3	1	5	11	2	2	4	10	61	
CENTRAL DISTRICTS	383,321	221	165	31	23	-	3	19	1	-	1	2	3	1	3	8	33	
EAST DISTRICTS	571,153	590	234	65	49	13	10	15	1	4	3	3	5	4	16	21	43	
SOUTH DISTRICTS	773,175	655	374	87	66	2	6	58	1	5	-	3	3	5	7	11	41	
WEST DISTRICTS.																		
St. Mary Paddington WH	39015	40	19	5	4	-	-	5	-	-	-	-	-	-	2	2	5	
St. John Paddington H	36769	15	12	2	3	-	-	-	-	-	-	1	-	-	1	1	2	
Kensington Town W	51010	60	39	11	7	-	4	4	1	-	-	-	-	1	-	10	10	
Brompton H	18198	19	10	2	-	-	-	2	-	-	-	-	-	-	1	1	2	
St. Peter Hammersmith	5415	7	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H	19104	26	17	5	3	-	-	2	-	-	-	1	2	-	2	2	3	
Fulham W	15539	14	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chelsea South H	21654	16	7	-	3	-	-	2	-	-	-	-	1	-	-	-	3	
Chelsea North-west WH	19899	24	13	2	3	-	-	8	-	-	-	1	-	-	1	4	-	
Chelsea North-east	21886	11	8	1	-	-	-	2	-	-	1	-	-	-	-	-	-	
Hanover Square	19773	13	9	2	3	-	-	-	-	-	-	-	-	-	-	1	-	
May Fair W	12885	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H	35113	32	22	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
St. John Westminster H	37483	27	17	7	4	-	-	1	-	-	-	-	-	-	2	1	1	
St. Margaret Westminster WH	30730	10	12	1	2	-	1	1	-	-	-	-	-	1	2	1	1	
St. James's Square	10753	3	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
Golden Square W	13966	4	7	-	2	-	1	-	-	-	-	-	-	-	-	2	-	
Berwick-street	10607	8	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
St. Anne Soho	17426	12	8	2	1	-	-	1	-	-	-	-	-	1	1	-	-	
NORTH DISTRICTS.																		
All Souls Marylebone H	29652	13	11	-	2	-	-	2	-	-	-	-	-	-	-	-	5	
Cavendish Square	15090	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rectory Marylebone W	26692	12	25	3	9	-	-	4	-	-	-	1	-	-	3	9	-	
St. Mary Marylebone H	22493	11	5	1	1	-	-	-	-	-	-	-	-	-	-	1	-	
Christchurch Marylebone	34913	19	14	3	1	-	1	2	-	-	-	1	-	-	-	-	-	
St. John Marylebone	32540	19	11	3	2	-	-	-	-	-	-	-	-	-	-	-	-	
Hampstead WH	19106	18	5	1	-	-	-	1	-	-	-	-	-	-	-	1	-	
Regent's Park Pancras	34927	28	12	3	1	-	-	1	-	1	-	-	-	-	1	1	-	
Tottenham-court wh	29371	13	14	1	3	-	-	-	-	-	-	-	-	1	1	8	-	
Gray's Inn Lane H	27808	19	15	4	2	-	-	-	-	-	-	-	-	-	1	1	4	
Somers Town	33069	22	14	3	1	-	-	5	1	-	-	-	-	-	2	3	9	
Camden Town W	23266	20	17	2	9	-	-	-	2	-	-	-	-	-	-	-	-	
Kentish Town	44317	32	25	3	3	-	-	7	-	-	-	-	-	-	-	-	-	
Islington West WHH	75442	74	54	11	4	6	1	12	-	-	5	4	-	-	-	-	20	
Islington East WH	79899	76	46	2	8	-	-	14	-	-	-	2	1	1	-	-	2	
Stoke Newington	6968	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stamford Hill	5483	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
West Hackney	24265	9	9	-	2	-	-	3	-	-	-	1	-	-	-	-	-	
Hackney WH	31481	33	11	2	4	1	-	-	-	-	-	-	-	-	-	-	2	
South Hackney L	15458	25	7	1	2	1	-	1	-	-	-	1	-	-	-	-	-	
CENTRAL DISTRICTS.																		
St. George Bloomsbury	17392	10	7	2	1	-	-	1	-	-	-	-	1	-	-	-	-	
St. Giles South WH	19483	12	5	-	-	-	-	-	-	-	-	-	-	-	-	1	3	
St. Giles North	17201	10	12	3	-	-	-	3	-	-	-	-	-	-	1	2	-	
Long Acre	11618	6	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH	11071	5	10	1	-	-	-	2	1	-	-	-	-	-	-	1	3	
St. Mary-le-Strand	10346	4	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clement Danes H	15207	3	5	1	-	-	-	-	-	-	-	-	-	-	-	-	3	
St. George-the-Martyr H	19903	7	14	1	3	-	-	2	-	-	-	1	-	-	1	1	2	
St. Andrew East Holborn W	12947	15	19	4	5	-	1	1	-	-	1	-	-	-	-	-	8	
Saffron Hill	18012	4	3	2	4	-	-	-	-	-	-	-	-	-	-	-	-	
St. James Clerkenwell W	19152	11	16	3	4	-	-	1	-	-	-	1	-	-	1	3	-	
Amwell Clerkenwell	17250	10	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pentonville	13079	6	6	-	2	-	1	-	-	-	-	-	-	-	-	-	-	
Goswell-street	16200	20	9	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Old-street	11504	12	4	1	1	-	-	1	-	-	-	-	-	-	-	-	-	
City-road HL	17980	30	7	3	-	-	-	-	-	-	-	-	-	-	1	-	-	
Whitecross-street	14778	11	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
Finsbury	12931	8	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
St. Botolph East London	20990	10	7	2	-	-	-	2	-	-	-	-	-	-	1	1	-	
Cripplegate	19697	12	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH	11750	5	13	-	-	-	-	3	-	-	-	-	-	1	1	-	10	
St. Bride W	15395	6	3	-	1	-	-	-	-	-	-	1	-	-	-	-	-	
Castle Baynard	7762	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Christchurch	9020	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Queenhithe	8570	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking	8659	4	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Broad Street	11544	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

† See note *, page 371. This return contained the deaths of 4 children under 1 year of age, 3 of persons aged 60 years and upwards, 1 fatal case of scarlet fever, 1 of diarrhoea, and 2 inquest cases.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 5th November 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
Holywell Shoreditch	17813	16	4	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-
St. Leonard Shoreditch L†	19188	16	5	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
Hoxton New Town w	26516	20	8	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Hoxton Old Town - w	23777	20	10	1	2	-	3	-	-	-	-	1	-	-	-	-	-	-
Haggerstone West W	23260	23	15	3	1	1	1	-	2	-	2	-	1	-	-	-	-	2
Haggerstone East	17810	18	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hackney-road	26298	31	14	4	1	2	-	-	2	-	-	-	1	-	-	-	-	-
Green, Bethnal Green WHL†	31789	30	18	4	3	-	1	-	-	-	1	-	-	-	1	-	-	6
Church, Bethnal Green	25528	17	10	6	1	1	1	-	-	-	1	-	-	-	-	-	-	-
Town, Bethnal Green	21486	17	12	2	2	2	-	-	1	-	-	-	1	-	-	-	-	-
Artillery Whitechapel	6557	4	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spitalfields	15700	8	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mile End New Town W	15392	12	9	-	-	1	-	-	-	-	-	-	-	1	-	1	1	5
Whitechapel North	12122	8	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church H	8062	10	16	5	3	-	-	-	-	-	-	-	-	-	-	5	5	14
Goodman's Fields	11166	14	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldgate	9971	1	6	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-
St. Mary St. George East	18181	21	8	4	1	1	-	-	-	-	-	-	-	1	-	-	-	-
St. Paul St. George East	21015	18	12	1	2	-	1	-	2	-	-	-	-	-	-	-	-	-
St. John St. George East W	9095	8	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	3
Shadwell W	12337	5	7	2	-	-	-	-	-	-	-	1	-	-	-	2	2	-
Ratcliff WH	16874	6	7	1	2	-	-	-	-	-	-	-	-	-	-	1	1	-
Limehouse W	27161	33	12	3	4	1	-	-	-	-	-	-	-	1	-	-	-	-
Mile End Old Town West	33747	30	13	2	3	-	-	-	2	-	1	-	-	-	-	-	1	-
Mile End Old Town East Ww	39317	37	29	10	6	5	-	-	2	1	-	-	-	-	-	1	1	3
Row WwL†	35667	66	24	6	7	-	2	-	1	-	-	-	-	-	-	2	2	6
Poplar W	43329	41	19	3	6	-	-	-	-	-	-	-	-	1	-	1	3	8
SOUTH DISTRICTS.																		
Christchurch Southwark W	17069	13	9	2	5	-	-	-	-	-	-	-	-	-	-	-	-	4
St. Saviour Southwark H	19101	12	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Kent-road	19652	12	6	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Borough-road W	16668	12	7	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
London-road L	19190	11	4	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Trinity Newington	22675	12	5	2	2	-	-	-	-	-	-	-	-	1	-	-	-	-
St. Peter Walworth W	44463	45	21	3	7	1	-	-	2	-	1	-	-	-	-	-	-	1
St. Mary Newington H	15082	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
St. Olave Southwark H	7663	3	17	2	1	-	-	-	1	-	-	-	1	-	-	3	4	14
St. John Horsleydown W	11393	4	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1
Leather Market	16696	8	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary Magdalen W	16505	15	5	1	1	-	-	-	2	-	-	-	-	-	-	-	-	1
St. James Bermondsey	25154	48	21	6	2	-	-	-	3	-	1	-	-	-	-	1	1	-
Rotherhithe W	24502	16	15	4	2	-	1	3	-	-	1	-	-	-	-	-	1	2
Waterloo-road 1st	15269	10	5	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Waterloo-road 2nd H	18640	17	12	3	2	-	-	1	2	-	-	-	-	-	-	2	-	-
Lambeth Church 1st	19839	17	11	3	-	-	-	1	3	-	-	-	1	-	2	2	-	-
Lambeth Church 2nd W	29542	31	17	5	6	-	2	2	-	-	-	-	-	-	1	-	4	-
Kennington 1st	30785	37	19	4	4	1	-	-	1	-	-	-	-	-	2	1	1	-
Kennington 2nd	20440	14	17	-	5	-	-	-	6	-	-	-	-	-	-	-	-	-
Brixton	20067	23	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Norwood W	7462	4	6	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Clapham	20894	18	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Battersea W	19600	46	23	7	1	-	1	10	-	-	-	-	-	-	-	-	-	-
Wandsworth L	13346	13	4	-	1	-	-	1	1	-	-	-	-	-	-	-	-	1
Putney	6481	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streatham	10082	2	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Dulwich	1723	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell WFL†	21297	25	13	3	1	-	-	-	3	-	-	-	-	-	-	-	-	4
Peckham W	28135	28	10	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
St. George Camberwell	20383	22	6	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Paul Deptford	37834	27	16	4	3	-	-	-	5	-	-	-	-	-	-	-	-	-
St. Nicholas Deptford	8139	5	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Greenwich West H	21696	11	7	2	1	-	-	-	2	-	-	-	-	-	-	-	-	-
Greenwich East WH	18306	12	12	-	2	-	-	-	2	-	-	-	1	-	-	-	-	4
Eltham	3009	1	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Lee	11003	10	5	1	2	-	-	-	1	-	-	-	-	-	-	-	-	-
Lewisham Village W	7372	5	5	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-
Sydenham	10595	17	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Charlton H	9276	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Woolwich Dockyard H	22919	7	8	4	2	-	-	-	-	-	1	-	-	-	-	-	-	-
Woolwich Arsenal H	18776	10	8	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Plumstead, West	24502	11	8	2	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Plumstead, East		12	3	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand - - - - - Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and
London City - - - - - Islington East.	Stepney - - - - - Bow sub-district.
Do. do. - - - - - Hackney sub-district.	

† Lunatic Asylums where paupers are admitted.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 45. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, NOVEMBER 12. [Price 1d.

*General Register Office, Somerset House,
14th November 1870.*

DURING the week ending Saturday the 12th instant, 5065 *births* and 3365 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 24 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 24 per 1000; Portsmouth 15, Norwich 32, Bristol 29, Wolverhampton 26, Birmingham 18, Leicester 35, Nottingham 17, Liverpool 36, Manchester 24, Salford 20, Bradford 21, Leeds 25, Sheffield 22, Hull 20, Sunderland 19, and Newcastle-upon-Tyne 25.

In Edinburgh the annual rate of mortality last week was 20 per 1000 persons living, in Glasgow 29 per 1000, and in Dublin 20.

In Vienna the annual rate of mortality during the week ending 5th instant was 26 per 1000.

In LONDON the *births* of 1174 boys and 1042 girls, in all 2216 children, were registered last week. The *deaths* registered in the same time were 1468. During the corresponding weeks of ten previous years the registered births averaged 2026, and the deaths 1359 per week; after making due allowance for increase of population, the average for the past week is estimated at 2229 births and 1495 deaths; the registered births, therefore, were 13, and the deaths 27, below the estimated average.

Zymotic diseases caused 365 deaths, including 40 from small-pox, 19 from measles, 150 from scarlet fever, 4 from diphtheria, 10 from croup, 20 from whooping-cough, 13 from typhus, 19 from enteric (or typhoid) fever, 1 from relapsing fever, 7 from simple continued fever, 12 from erysipelas, and 13 from diarrhœa.

Small-pox has not been so fatal in London since the early part of 1868 as during the last three weeks; in fact, so large a number as 40 fatal cases has not been recorded in any week since April 1867. More than half of the deaths from this cause last week occurred in the East Districts, and the extent to which the disease is diffused in that locality may be gathered from this, that 12 out of the 27 sub-districts forming the Eastern group contributed fatal cases last week. In the Spitalfields sub-district of Whitechapel out of 12 deaths from all causes, 4 were from small-pox, in reference to which the registrar appends the following note:—

“The four deaths from small pox registered this week have occurred in a range of 24 houses in Great Pearl Street and Grey Eagle Street which stand at right angles to each other, and in the courts abutting upon each other behind the two streets. Two of the deaths were in the same family, other members whereof are now suffering from small-pox. Four other deaths from small-pox within the same area have been registered since the 18th October last, two of them at 1 Wilkes Court, Great Pearl Street. The streets and courts referred to are thickly populated, and as a rule there is want of cleanliness amongst the inhabitants.”

The scarlet fever epidemic has exhibited signs of abatement during the last four weeks, the deaths having been 192, 167, 174, and 150.

Forty-eight deaths resulted from violence: of these 43 were accidental, including 25 by fractures, 7 by burns or scalds, 3 by drowning. Five children were suffocated; one of these, a child 5 weeks old was suffocated under its mother's shawl in her arms in the street.

Seven fatal accidents caused by horses or vehicles in the streets were returned last week : a boy, aged 4 years, died on 8th instant, at Westminster Hospital, of injuries caused by his being accidentally pushed under the wheel of an omnibus by children running out of school ; a boy, aged 6 years, died on 8th instant, at Westminster Hospital, of injuries caused by falling from a dray in Victoria-street, the wheel of a following dray going over him ; a bootmaker, aged 69 years, died on 4th instant, at 7 Meard-street, Soho, having been knocked down by a light cart in Wardour-street ; a female, aged 55 years, died on 7th instant, at Royal Free Hospital, of injuries from being run over by horse and cart ; a female, aged 66 years, died on 9th instant, at St. Bartholomew's Hospital, of injuries from being run over by an omnibus in Farringdon-street ; a boy, aged 3 years, died on 1st instant, at St. Thomas's Hospital, from "crushed foot by the wheel of a van passing over it when scrambling after a piece of bread thrown for him to pick up ;" a carter, aged 63 years, died on 4th instant, at Guy's Hospital, of "injury to his right hand by a waggon wheel going over it in Fenchurch-street, pyæmia, one week."

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·628 in. ; the highest was 30·26 in. at the beginning of the week, and the lowest was 29·16 in. at the end of the week. The mean temperature of the *air* was 39°·1, or 5°·6 below the mean temperature of the corresponding week in 50 years (1814–63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 51°·6 on Monday ; the lowest night temperature was 29°·1 on Saturday ; the entire range of temperature in the week was, therefore, 22°·5. The highest temperature in the sun was 75°·0 on Monday. The mean temperature was below the average on every day of the week, the last three days exhibiting an average defect of 8°·4. The difference between the mean *dew-point* temperature and *air* temperature was 2°·7. The mean degree of *humidity* of the air was 90, complete saturation being represented by 100. The general direction of the *wind* was variable, and the horizontal movement of the air amounted to 9 miles per hour. *Rain* fell on only one day in the week (Monday) to the amount of 0·04 in.

The total rain-fall at Greenwich during the month of October was 3·4 in., or 0·6 in. above the average of the corresponding months in 54 years. During the last ten years there have been only two Octobers (1862 and 1865) so wet as the October of the present year. The total rain-fall of the ten completed months of this year has been 14·3 in., or 6·8 in. less than the average fall for that period.

The mean temperature of the week in the other large English towns furnishing returns ranged from 34°·0 in Hull, to 39°·6 in Liverpool ; the lowest recorded night temperature was 21°·0 in Hull, and the highest day temperature in the shade was 54°·8 in Portsmouth. Rain fell in most of the towns, the quantities measured ranging from 0·03 in. at Nottingham, to 1·60 in. at Newcastle-on-Tyne.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 4°·0 ; the highest day temperature in the shade was 10°·9 ; the lowest night temperature was –1°·6 ; the highest temperature in the sun was 23°·9. The mean temperature of the week on an average of 50 years was 7°·1, or 3°·0 above the temperature of last week. The wind blew at the rate of 14 kilometers an hour, and the rain-fall was 0·1 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 182,131 cubic metres, and at Barking 232,349 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTY-FIFTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1691	1710	1832	1963	1994	2171	2212	2270	2145	2271	2025·9	2216
Males . .	890	840	921	1011	1003	1072	1132	1187	1063	1160	1027·9	1174
Females .	801	870	911	952	991	1099	1080	1083	1082	1111	998·0	1042
TOTAL Deaths	1084	1251	1307	1270	1586	1464	1361	1195	1387	1689	1359·4	1468
Males .	580	653	617	659	783	771	679	643	716	841	694·2	782
Females .	504	598	690	611	803	693	682	552	671	848	665·2	686

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	Aug. 20.	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.	Nov. 5.	Nov. 12.
TOTAL Deaths - - -	1398	1393	1426	1322	1197	1212	1277	1279	1416	1334	1266	1343	1468
Deaths under 5 years of age -	759	688	642	564	504	488	495	526	579	573	537	568	644
Deaths 5—20 - - -	118	130	152	150	139	123	163	150	169	141	123	141	136
Deaths 20—40 - - -	167	182	186	213	168	174	173	197	198	183	159	203	195
Deaths 40—60 - - -	153	183	201	189	179	207	182	203	233	198	225	193	236
Deaths 60—80 - - -	160	174	199	167	168	169	217	166	194	206	179	190	220
Deaths at 80 years & upwards	41	36	46	39	39	51	47	37	43	33	43	43	37
Deaths from Small-pox -	10	11	9	12	11	15	13	27	13	17	21	23	40
" " Measles - - -	15	31	19	16	8	8	14	11	19	20	13	27	19
" " Scarlet Fever -	126	108	129	165	157	167	171	192	198	192	167	174	150
" " Diphtheria -	2	6	5	6	8	7	10	9	11	8	9	7	4
" " Whooping-cough	17	20	21	15	14	13	13	16	20	24	17	10	20
" " Typhus fever -	7	2	3	6	5	11	14	12	17	12	6	10	13
" " Enteric (or Ty- phoid) fever -	31	25	29	18	21	22	22	23	22	26	24	20	19
" " Simple Contag. fever	12	9	7	16	19	12	10	19	8	3	7	15	8
" " Diarrhoea - - -	248	202	156	130	73	46	37	35	38	25	29	16	13
" " Simple Cholera -	9	19	5	3	3	4	1	1	2	1	1	2	—
" " Phthisis - - -	169	147	163	163	155	151	136	146	165	153	136	148	154
" " Bronchitis - - -	40	50	71	55	63	83	70	82	107	124	117	120	195
" " Pneumonia - - -	31	32	44	37	42	41	56	51	70	72	78	81	95
" " Heart Disease -	41	65	54	44	55	49	60	66	58	66	70	61	75
Mean Temperature of the Air	60·9	57·3	57·7	57·0	54·0	54·5	55·7	54·1	47·1	49·7	48·2	44·1	39·1
Mean Temperature of the Water of the Thames - }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - - -	69	67	75	82	82	85	83	86	79	86	88	90	90
Rain-fall in inches - - -	0·00	0·70	0·64	1·33	0·21	0·00	0·00	0·20	0·14	1·38	1·16	0·47	0·04

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna is good enough to supply the returns for that city.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Pillitt, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 12th day of November 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 12th Nov.	DEATHS registered during the Week ending 12th Nov.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTIGRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centimetres.
Total of 20 TOWNS in the UNITED Kingdom	213,281	7,216,325	33·8	5065	3365	54·8	21·0	37·6	3·11	0·26	0·66
LONDON - - -	77,997	3,214,707	41·2	2216	1468	51·6	29·1	39·1	3·95	0·04	0·10
PORTSMOUTH - -	9,513	122,084	12·8	69	35	54·8	24·2	38·4	3·55	0·00	0·00
NORWICH - - -	7,472	81,087	10·9	47	50	50·5	31·5	39·2	4·00	0·51	1·30
BRISTOL - - -	4,688	171,382	36·6	134	96	—	—	—	—	—	—
WOLVERHAMPTON -	3,387	72,990	21·5	51	36	47·7	28·3	37·6	3·11	0·07	0·18
BIRMINGHAM - -	7,831	369,604	47·2	232	124	48·2	29·5	38·6	3·66	0·04	0·10
LEICESTER - - -	3,200	97,427	30·4	74	66	50·0	26·7	37·5	3·06	0·07	0·18
NOTTINGHAM - -	1,996	88,888	44·5	79	29	48·2	25·7	37·1	2·84	0·03	0·08
LIVERPOOL - - -	5,108	517,587	101·3	402	357	50·2	31·3	39·6	4·22	0·50	1·27
MANCHESTER - -	4,486	374,993	83·6	253	174	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	98	46	50·5	25·6	36·5	2·50	0·14	0·35
BRADFORD - - -	6,590	143,197	21·7	133	57	49·1	29·4	37·4	3·00	0·00	0·00
LEEDS - - -	21,572	259,527	12·0	228	123	49·0	30·0	38·0	3·33	0·20	0·51
SHEFFIELD - - -	22,830	247,378	10·8	202	102	52·0	30·0	37·6	3·11	0·20	0·51
HULL - - -	3,562	130,869	36·7	91	51	46·0	21·0	34·0	1·11	0·65	1·65
SUNDERLAND -	3,306	100,979	30·5	79	37	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	89	63	45·0	30·0	35·7	2·06	1·60	4·06
EDINBURGH - -	4,427	178,970	40·4	115	70	50·7	29·0	37·8	3·22	0·20	0·51
GLASGOW - - -	5,063	468,189	92·5	344	259	50·3	24·6	37·6	3·11	0·00	0·00
DUBLIN - - -	9,745	321,540	33·0	129	122	51·0	26·0	38·1	3·39	0·11	0·28
PARIS - - -	7,802	1,889,842	242	—	—	—	—	—	—	—	—
						Week ending 5th November 1870.					
VIENNA - - -	3,725*	622,087	167	Week ending 5 Nov. 1870.	Week ending 5 Nov. 1870. 306	—	—	43·3	6·25	—	—
						Week ending 10th November 1870.					
BERLIN - - -	6,253	800,000	128	Week ending 10 Nov. 1870.	Week ending 10 Nov. 1870.	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 12th day of November 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
Total of 17 TOWNS -	24	2914	708	485	48	45	286	8	47	119	38	87	173	362
LONDON - - -	24	1468	337	257	40	19	150	4	20	40	13	48	87	194
PORTSMOUTH - -	15	35	8	11	—	—	1	—	1	1	—	1	2	9
NORWICH - - -	32	50	10	7	—	3	7	—	2	4	—	—	2	6
BRISTOL - - -	29	96	27	15	—	—	22	1	—	2	2	—	2	15
WOLVERHAMPTON -	26	36	11	7	—	—	1	—	—	3	—	3	6	7
BIRMINGHAM - -	18	124	32	17	—	4	11	1	5	2	2	10	17	14
LEICESTER - - -	35	66	23	8	—	1	17	1	1	1	2	—	—	3
NOTTINGHAM - -	17	29	6	3	—	—	—	—	—	2	—	1	1	2
LIVERPOOL - - -	36	357	93	63	4	7	45	1	14	32	5	9	16	54
MANCHESTER - -	24	174	37	33	2	2	8	—	2	6	2	4	14	20
SALFORD - - -	20	46	12	6	—	—	8	—	—	2	1	—	1	2
BRADFORD - - -	21	57	16	7	—	3	1	—	—	3	—	1	2	5
LEEDS - - -	25	123	27	18	—	4	6	—	—	3	6	2	7	11
SHEFFIELD - - -	22	102	31	13	1	1	8	—	1	3	1	4	4	4
HULL - - -	20	51	12	4	—	1	3	—	—	6	1	1	3	5
SUNDERLAND - -	19	37	8	4	1	—	1	—	1	4	—	—	3	4
NEWCASTLE-ON-TYNE	25	63	18	12	—	—	2	—	—	5	3	3	6	7
DUBLIN - - -	20	122	23	26	—	1	8	—	3	10	3	3	2	30

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions†
LONDON		2,803,969	2216	1468	337	257	40	19	150	4	20	13	19	8	13	48	87	194
WEST DISTRICTS		453,125	331	252	61	38	1	8	31	-	3	1	1	-	2	12	13	26
NORTH DISTRICTS		618,210	455	298	62	50	7	2	34	1	1	2	7	-	3	9	23	39
CENTRAL DISTRICTS		383,221	219	163	26	27	1	-	17	-	2	1	4	-	1	7	12	32
EAST DISTRICTS		571,158	505	326	88	55	22	5	25	1	7	6	3	4	2	8	19	45
SOUTH DISTRICTS		773,175	706	429	100	87	9	4	43	2	7	1	4	4	5	12	15	52
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	23	20	3	1	-	-	5	-	-	-	-	-	-	1	1	-
St. John Paddington H		36769	17	8	3	2	-	-	1	-	-	-	-	-	-	-	-	-
Kennington Town W		51910	73	41	9	8	-	2	7	-	3	-	-	-	-	-	-	-
Brompton H		18198	14	15	4	3	-	1	3	-	-	-	-	-	1	-	1	-
St. Peter Hammersmith		5415	5	2	1	2	-	-	2	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H		19104	23	20	6	2	-	3	4	-	-	-	-	-	1	1	2	1
Fulham W		15539	11	10	4	2	-	1	1	-	-	-	-	-	-	-	-	-
Chelsea South H		21654	13	13	2	6	-	-	1	-	-	-	-	-	-	-	1	3
Chelsea North-west HW		19899	12	9	3	3	-	-	-	-	-	-	-	-	-	-	-	-
Chelsea North-east		21886	8	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Hanover Square		19773	5	7	3	2	-	-	-	-	-	-	-	-	-	-	-	-
May Fair W		12885	12	8	-	-	-	1	-	-	-	-	-	-	-	-	1	4
Belgrave H		55113	37	34	10	3	-	-	2	-	-	-	-	-	-	2	3	7
St. John Westminster H		37483	20	21	7	1	-	1	2	-	-	1	-	-	-	-	-	-
St. Margaret Westminster WH		30730	24	19	1	1	-	-	1	-	-	-	-	-	-	5	6	7
St. James's Square		10753	4	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Golden Square W		13996	11	5	-	2	-	-	-	-	-	-	-	-	-	-	-	2
Berwick-street		10607	1	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Anne Soho		17426	12	9	1	2	-	-	-	-	-	-	1	-	-	2	2	-
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	11	20	2	4	-	-	6	-	-	-	2	-	-	-	1	3
Cavendish Square		15090	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W		26692	17	16	4	1	-	-	-	-	-	-	1	-	-	-	-	5
St. Mary Marylebone H		22493	11	8	-	3	-	-	-	-	-	-	-	-	-	-	-	1
Christchurch Marylebone		34913	17	20	4	1	-	-	1	-	1	-	1	-	1	-	3	-
St. John Marylebone		32540	12	12	4	1	-	-	2	-	-	-	-	-	-	-	-	-
Hampstead WH		19106	14	8	2	-	-	-	1	1	-	-	-	-	-	1	1	1
Regent's Park Pancras		34927	20	8	3	1	-	-	2	-	-	-	-	-	-	1	1	-
Tottenham-court WH		29371	14	18	4	5	-	-	-	-	-	-	-	-	-	-	-	8
Gray's Inn Lane H		27808	13	16	5	3	-	-	-	-	-	-	-	-	-	-	-	1
Somers Town		39099	19	20	8	2	-	-	5	-	-	-	-	-	-	-	-	2
Camden Town W		23266	17	14	2	5	-	-	-	-	-	-	-	-	-	-	-	7
Kentish Town		44317	52	23	1	6	1	-	3	-	-	-	-	-	-	1	1	-
Islington West* WHH		75442	69	41	8	3	4	-	5	-	-	2	3	-	-	-	-	9
Islington East Ww		79809	95	29	7	4	2	1	3	-	-	-	-	-	-	-	-	2
Stoke Newington		6608	5	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill		5483	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney		24265	20	11	5	1	-	1	1	-	-	-	-	-	-	1	2	-
Hackney WHw		31481	25	15	5	3	-	-	2	-	-	-	-	-	-	1	1	2
South Hackney L		15458	15	13	2	4	-	-	1	-	-	-	-	-	1	-	-	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	14	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH		19483	13	12	2	3	-	-	1	-	-	-	-	-	-	2	1	2
St. Giles North		17201	16	6	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Long Acre		11618	5	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Charing Cross WH		11071	2	3	-	1	-	-	-	-	-	-	1	-	-	-	-	6
St. Mary-le-Strand		10346	10	4	-	2	-	-	1	-	-	-	-	-	-	1	1	-
St. Clement Danes H		15207	4	18	2	3	-	-	1	-	-	-	-	-	-	-	-	9
St. George-the-Martyr H		19903	15	11	3	3	-	-	1	-	1	-	1	-	-	-	-	-
St. Andrew East Holborn W		12947	8	8	2	1	-	-	-	-	-	-	1	-	-	-	5	-
Saffron Hill		12012	6	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W		19132	12	8	2	2	-	-	2	-	-	-	-	-	-	-	-	2
Amwell Clerkenwell		17250	15	3	1	1	-	-	1	-	1	-	-	-	-	-	-	-
Pentonville		19079	6	4	1	1	-	-	1	-	-	-	-	-	1	-	-	-
Goswell-street		16200	20	5	-	2	-	-	1	-	-	-	-	-	-	-	-	-
Old-street		11594	6	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-
City-road. HL		17860	16	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Whitcross street		14778	9	5	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Finsbury		12931	3	8	-	2	-	-	1	-	-	-	-	-	-	-	-	-
St. Botolph East London		20990	11	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Cripplegate		19697	7	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Sepulchre WH		11750	6	10	-	1	-	-	-	-	-	-	-	-	-	-	3	8
St. Bride W		15395	4	6	-	-	1	-	2	-	-	1	-	-	-	-	-	-
Castle Baynard		7762	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch		9020	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	-	3	-	1	-	-	-	-	-	-	-	-	-	1	1	-
Allhallows Barking		8159	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street		11544	3	5	1	1	-	-	-	-	-	-	-	-	-	-	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHThERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Saturday, 12th November 1870.

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
REGISTRARS' SUB-DISTRICTS.					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																		
Holywell Shoreditch	- - -	17313	4	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch Lt	- - -	1918	14	7	4	1	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton New Town w	- - -	25516	25	20	3	6	2	2	1	-	2	-	-	-	-	-	-	-
Hoxton Old Town	- - -	25777	18	18	4	1	3	-	1	-	-	1	-	-	-	-	-	-
Haggerstone West W	- - -	23260	21	21	7	5	-	-	2	1	-	-	-	1	-	-	-	-
Haggerstone East	- - -	17310	16	4	2	1	-	-	-	-	-	-	1	-	-	-	-	-
Hackney-road	- - -	22998	90	8	2	1	-	1	3	-	-	-	-	-	-	-	-	-
Green, Bethnal Green WH†	- - -	31789	23	21	5	4	-	1	3	-	-	-	-	-	-	1	1	4
Church, Bethnal Green	- - -	25528	21	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Town, Bethnal Green	- - -	21486	15	5	1	1	1	-	-	-	-	-	-	-	1	-	-	-
Artillery Whitechapel	- - -	6557	8	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Spitalfields	- - -	15740	9	12	1	2	4	-	-	-	1	-	-	-	-	-	2	1
Mile End New Town W	- - -	15392	8	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel North	- - -	12122	10	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church H	- - -	8062	8	14	1	1	-	-	1	-	-	-	-	1	-	1	1	12
Goodman's Fields	- - -	11166	7	6	3	1	2	-	-	-	-	-	-	-	-	-	-	-
Aldgate	- - -	9071	2	4	-	-	1	-	-	-	-	-	1	-	-	-	-	-
St. Mary St. George East	- - -	18181	9	8	3	-	1	-	-	-	2	2	-	-	-	-	-	-
St. Paul St. George East	- - -	21015	16	8	1	2	1	-	-	-	-	1	-	-	-	1	1	-
St. John St. George East W	- - -	9695	17	14	2	4	2	-	-	-	-	2	-	-	-	-	-	9
Shadwell W	- - -	12557	6	2	-	1	-	-	-	-	-	-	-	-	-	1	1	1
Ratcliff WH	- - -	16874	6	11	3	3	1	-	-	-	-	-	-	-	-	-	2	-
Limehouse W	- - -	27161	24	17	5	1	-	-	-	-	1	-	-	-	-	-	3	-
Mile End Old Town West	- - -	33747	44	15	3	4	-	-	2	-	-	1	-	1	-	-	-	-
Mile End Old Town East W†	- - -	39317	46	30	10	9	2	1	2	-	-	-	-	1	-	1	3	4
Bow W† Lt	- - -	35067	54	35	12	3	-	-	6	-	1	1	-	-	-	1	-	6
Poplar W	- - -	43529	30	25	8	3	-	-	1	-	-	-	-	-	-	1	5	2
SOUTH DISTRICTS.																		
Christchurch Southwark W	- - -	17069	13	9	1	5	-	-	1	-	-	-	-	-	-	1	1	3
St. Saviour Southwark H	- - -	19101	10	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Kent-road	- - -	19652	14	6	-	3	-	-	-	-	-	-	-	-	1	-	-	-
Borough-road W	- - -	16668	8	12	3	-	-	-	1	-	-	-	-	-	-	-	1	3
London-road L	- - -	19196	16	10	3	-	-	-	-	-	-	-	-	-	-	-	-	1
Trinity Newington	- - -	22975	14	14	4	4	-	-	2	-	-	-	1	-	1	-	-	-
St. Peter Walworth W	- - -	44463	37	22	5	2	1	-	5	-	-	-	-	-	-	-	-	-
St. Mary Newington H	- - -	15082	10	8	1	1	-	-	1	-	-	-	-	-	-	3	3	4
St. Olave Southwark H	- - -	7693	2	10	-	3	-	-	-	-	-	-	-	-	-	3	4	8
St. John Horsleydown W	- - -	11393	8	8	1	3	1	-	1	-	-	-	-	-	-	1	1	-
Leather Market	- - -	16696	18	11	2	2	-	-	-	1	-	-	-	-	-	-	-	-
St. Mary Magdalen W	- - -	16505	8	9	2	5	1	-	-	-	1	-	-	-	-	-	-	3
St. James Bermondsey	- - -	25154	49	5	3	1	-	-	1	-	-	-	-	-	-	-	-	-
Rotherhithe W	- - -	24502	16	7	2	1	-	-	2	-	1	-	-	-	-	-	-	-
Waterloo-road 1st	- - -	15269	13	7	2	-	-	-	1	-	-	-	-	-	1	-	-	-
Waterloo-road 2nd H	- - -	18640	23	8	1	-	1	1	-	-	-	-	-	-	-	-	-	-
Lambeth Church 1st	- - -	19639	20	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Lambeth Church 2nd W	- - -	29542	33	19	6	4	-	-	-	-	-	-	-	-	1	-	1	7
Kennington 1st	- - -	30785	27	18	4	4	-	1	2	-	-	-	-	-	-	-	-	-
Kennington 2nd	- - -	20440	20	9	2	2	1	-	-	-	-	-	-	-	-	1	1	-
Brixton	- - -	20687	26	14	5	3	-	-	-	-	-	-	-	-	-	-	-	-
Norwood W	- - -	7462	4	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Clapham	- - -	20894	10	8	-	2	-	-	1	-	-	-	-	-	-	-	-	-
Battersea W	- - -	19600	43	32	9	2	2	-	8	1	-	-	-	-	-	1	1	2
Wandsworth L	- - -	13846	16	10	1	4	-	-	1	-	-	-	-	-	-	-	2	-
Putney	- - -	6481	3	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Streatham	- - -	10982	4	4	-	1	-	-	-	-	-	-	-	2	-	-	-	-
Dulwich	- - -	1723	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell WL† Lt	- - -	21397	24	18	2	3	-	1	1	-	-	2	-	-	1	-	-	7
Peckham W	- - -	28135	48	18	6	2	1	-	2	-	-	-	-	-	-	-	-	-
St. George Camberwell	- - -	26633	25	14	6	-	-	-	3	-	-	-	-	-	-	-	-	-
St. Paul Deptford	- - -	37834	35	23	8	6	1	1	1	-	-	-	-	-	1	-	-	-
St. Nicholas Deptford	- - -	8139	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West H	- - -	21696	16	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich East WH	- - -	18306	10	15	2	7	-	-	1	-	1	-	-	-	-	1	-	9
Eltham	- - -	3000	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee	- - -	11003	9	7	-	2	-	-	1	-	-	-	-	-	-	-	-	-
Lewisham Village W	- - -	7872	3	11	3	4	-	-	-	-	-	-	-	-	-	-	-	4
Sydenham	- - -	10595	11	7	1	1	-	-	-	-	-	1	-	-	-	1	-	-
Charlton H	- - -	9276	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Woolwich Dockyard H	- - -	22919	8	4	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Woolwich Arsenal H	- - -	18776	18	14	4	-	-	-	3	1	1	1	-	1	-	-	-	-
Plumstead West	- - -	24502	12	5	2	1	-	-	-	-	2	-	-	-	-	-	-	-
Plumstead East	- - -		4	5	2	-	-	-	2	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand - - - " - - - Tottenham-court sub-district.	London City - - - " - - - Mile End Old Town Eastern sub-dist. and
London City - - - " - - - Islington East.	Stepney - - - " - - - Bow sub-district.
Do. do. - - - " - - - Hackney sub-district.	

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 12th NOVEMBER, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		BAROMETER.	READINGS OF THERMOMETERS.					DIFFERENCE					WIND.		RAIN.																																																																																											
			High- est.	Low- est.	Range in day.	Mean daily value.	Mean daily value.	Dew Point and Air Temperature	Between mean tem- perature of the day and the same day on an average of 50 years.*	Degree of humidity, complete saturation being repre- sented by 100.	As deduced from Anemometers.	General Direction.	Pressure on square foot.	Mean of 21 Obs.		Collected in a Gauge whose capacity is 5 in. above the ground.																																																																																										
Phase of Moon.		Mean daily reading (cor- rected to 32 deg. Fahr. held).	Low- est.	High- est.	Range in day.	Mean daily value.	Mean daily value.	Lowest on the Grass, as shown by a thermom- eter with bulb in vacuo, placed on the Grass.	Lowest in the Water of the Thames at Greenwich, by self-registering Thermometers.	Lowest in the Water of the Thames at Greenwich, by self-registering Thermometers.	Lowest in the Water of the Thames at Greenwich, by self-registering Thermometers.	Lowest in the Water of the Thames at Greenwich, by self-registering Thermometers.	Lowest in the Water of the Thames at Greenwich, by self-registering Thermometers.	Lowest in the Water of the Thames at Greenwich, by self-registering Thermometers.	Lowest in the Water of the Thames at Greenwich, by self-registering Thermometers.	Lowest in the Water of the Thames at Greenwich, by self-registering Thermometers.	Lowest in the Water of the Thames at Greenwich, by self-registering Thermometers.	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NOTES.													
The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's standard barometer. The observations are taken at 9h. A.M.; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and wet thermometer observed at these times are converted into mean daily values of the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See <i>Phil. Trans.</i> , part 1, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1848, December 31. *In reading the 17th column it will be borne in mind that it is read "higher," and "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.													
The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.													
The reading of the barometer decreased from 30.26 in. at the beginning of the week to 29.32 in. by 3h. P.M. on the 10th; increased to 29.96 in. by 9h. A.M. on the 11th; and decreased to 29.16 in. by the end of the week.													
SKY AND ATMOSPHERE.													
Overcast throughout. Fog was prevalent during the whole day.													
Generally cloudy and foggy. Rain fell between 1h. 15m. P.M. and 2h. 15m. P.M.													
Very foggy till noon. Large amounts of cloud prevalent.													
Very dense fog prevailed till the afternoon. Overcast throughout.													
Overcast till night, then very variable. A small quantity of snow fell about 7h. P.M.													
Large amounts of cloud were prevalent throughout the day. A small quantity of fine snow fell about 9h. 30m. P.M.													
Hoar frost in the morning. Generally cloudless during the day.													
Fog.													
ELECTRICITY.													
The electrical apparatus was out of order.													
NOVEMBER.													
SUNDAY 6	..	30.057	48.0	38.8	9.2	43.3	40.9	54.0	29.6	0	0	0	0
MONDAY 7	..	29.891	51.6	34.0	17.6	42.9	41.8	75.0	28.0	0	0	0	0
TUESDAY 8	Apogee.	29.881	49.9	34.2	15.7	41.4	40.7	66.7	30.5	0	0	0	0
WEDNESDAY 9	..	29.663	42.6	35.4	7.2	38.8	38.4	44.0	28.6	0	0	0	0
THURSDAY 10	..	29.834	40.1	33.4	6.7	35.6	32.3	47.0	31.0	0	0	0	0
FRIDAY 11	..	29.961	39.3	33.3	6.0	36.4	31.4	44.0	29.4	0	0	0	0
SATURDAY 12	..	29.206	42.2	29.1	13.1	35.1	29.2	72.7	23.7	0	0	0	0
MEANS	..	29.628	44.8	34.0	10.8	39.1	36.4	57.6	23.7	0	0	0	0
N. Clouds.	3	4	5	6	7	8	9	10	11	12	13	14	15

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN NINETEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 46. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, NOVEMBER 19. [Price 1d,

*General Register Office, Somerset House,
21st November 1870.*

DURING the week ending Saturday the 19th instant, 4872 *births* and 3684 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 27 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 27 per 1000; Portsmouth 18, Norwich 33, Bristol 31, Wolverhampton 20, Birmingham 22, Leicester 29, Nottingham 31, Liverpool 39, Manchester 27, Salford 27, Bradford 24, Leeds 33, Sheffield 21, Hull 21, Sunderland 23, and Newcastle-upon-Tyne 29.

In Dublin the annual rate of mortality last week was 19 per 1000 persons living.

It is now 128 days since the Weekly Returns from Berlin, and 63 days since those from Paris were discontinued on account of the war.

In the silence of Berlin and Paris it is satisfactory to receive now from the New World Weekly Returns, for which the Registrar General is indebted to Dr. Charles P. Russel and the authorities of New York. In the week that ended on 29th October, the registered deaths in that City are returned at 435; namely, 112 from zymotic diseases, 133 from constitutional, 150 from local, 27 from developmental maladies, and 13 from violence. The population by the official census of 1870 being 926,341, the mortality was at the annual rate of 24 per 1000; the rate in the four previous weeks having been 26.

The observations extending to-day from Bombay, through London as a centre, to New York, keep the public informed of the hourly action of enemies more pernicious than war, and in the present temper of mankind apparently more under control.

In Vienna the annual rate of mortality during the week ending 12th instant was 26 per 1000. In the City of Bombay the deaths registered during the week ending 18th October were 313 (exclusive of still-born), and the mortality was at the annual rate of 20 per 1000.

In LONDON the *births* of 1108 boys and 1070 girls, in all 2178 children, were registered last week. The *deaths* registered in the same time were 1639. During the corresponding weeks of ten previous years the registered births averaged 2016, and the deaths 1486 per week; after making due allowance for increase of population, the average for the past week is estimated at 2218 births and 1635 deaths; the registered births, therefore, were 40 below, and the deaths 4 above, the estimated average.

Zymotic diseases caused 430 deaths, including 45 from small-pox, 36 from measles, 162 from scarlet fever, 10 from diphtheria, 13 from croup, 28 from whooping-cough, 12 from typhus, 22 from enteric (or typhoid) fever, 13 from simple continued fever, 21 from erysipelas, and 18 from diarrhœa.

Small-pox shows again an increased fatality, the Eastern Districts continuing to suffer out of all proportion to the rest of the Metropolis. Of the total 45 fatal cases, 26 occurred in the East Districts; Bethnal Green, Whitechapel, and Shore-ditch contributing the largest number. Eight of the victims were infants in their first year of life, 15 were aged 1 and under 5 years, 9 were aged 5–20 years,

10 were aged 20-40 years, 2 aged 40-60 years, and 1 aged upwards of 60 years. Only 2 of the 45 fatal cases were returned as having been vaccinated, 14 were stated to be unvaccinated, and in 29 cases it was not stated whether vaccination had taken place or not. One of the deaths was ascribed to chicken-pox.

Sixty-one deaths resulted from violence : of these 55 were accidental, including 28 by fractures, 7 by burns or scalds, 4 by drowning, and 14 by suffocation. Three suicides were registered.

An emery-grinder, aged 70 years, died on 8th instant, at Pancras Workhouse, of "consolidation of lungs, produced by the inhalation of emery in emery-paper making." (*Post mort.*) A carman, aged 28 years, died on 12th instant, at Haggerstone East, of "glanders (6 days) ; exhaustion."

Five fatal accidents caused by horses or vehicles in the streets were returned last week : a man, aged 53 years, died on 8th instant, at Westminster Hospital, of injuries from being run over by a dray ; a brewer's drayman, aged 25 years, died on 12th instant, at the London Hospital, of injuries caused by falling from dray ; a commercial traveller, aged 41 years, died on 12th instant, at St. Bartholomew's Hospital, of fractured skull by fall from a cabriolet in Philip-lane ; a widow, aged 67 years, died on 14th instant, at St. Bartholomew's Hospital, of injuries from being run over by a van in Old-street ; a market gardener, aged 40 years, died on 13th instant, at St. Bartholomew's Hospital, "fell off a van in the Uxbridge-road, injury to right knee, one year ; exhaustion." (*Post mort.*)

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·217 in. ; the highest was 29·49 in. on Friday morning, and the lowest was 28·98 in. on Monday afternoon and Tuesday morning. The mean temperature of the *air* was 37°·6, or 5°·0 below the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 48°·8 on Monday ; the lowest night temperature was 24°·3 on Saturday ; the entire range of temperature in the week was, therefore, 24°·5. The highest temperature in the sun was 79°·8 on Friday. The mean temperature was below the average on every day of the week, the greatest defect being 9°·2 on Tuesday. The difference between the mean *dew-point* temperature and *air* temperature was 2°·8. The mean degree of *humidity* of the air was 90, complete saturation being represented by 100. The general direction of the *wind* was W.S.W. ; and the horizontal movement of the air amounted to 10 miles per hour. *Rain* fell on two days in the week to the amount of 0·18 in.

The mean temperature of the week in the other large English towns furnishing returns ranged from 35°·8 in Nottingham, to 40°·2 in Portsmouth ; the lowest recorded night temperature was 25°·6 in Salford, and the highest day temperature in the shade was 51°·4 in Portsmouth. Rain fell in all the towns, the quantities measured ranging from 0·30 in. at Sheffield, to 0·90 in. at Liverpool.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 3°·1 ; the highest day temperature in the shade was 9°·3 ; the lowest night temperature was 4°·3 below the freezing point of water ; the highest temperature in the sun was 26°·6. The mean temperature of the week on an average of 50 years was 5°·9, or 2°·8 above the temperature of last week. The wind blew at the rate of 16 kilometers an hour, and the rain-fall was 0·45 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 188,169 cubic metres, and at Barking 239,540 cubic metres, equivalent to about as many tons by weight.

• Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTY-SIXTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1860	1774	1904	2061	1950	2074	1988	2079	2280	2185	2015·5	2178
Males . .	997	876	928	1066	934	1052	1035	1075	1143	1092	1019·8	1108
Females .	863	898	976	995	1016	1022	953	1004	1137	1093	995·7	1070
TOTAL Deaths	1183	1288	1429	1457	1742	1515	1428	1457	1506	1859	1486·4	1639
Males . .	607	673	732	721	902	767	727	754	766	945	759·4	821
Females .	576	615	697	736	840	748	701	703	740	914	727·0	818

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Aug. 27.	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.	Nov. 5.	Nov. 12.	Nov. 19.
TOTAL Deaths - - -	1393	1426	1322	1197	1212	1277	1279	1416	1334	1266	1343	1468	1639
Deaths under 5 years of age -	688	642	564	504	488	495	526	579	573	537	568	644	674
Deaths 5-20 - - -	130	152	150	139	123	163	150	169	141	123	141	136	150
Deaths 20-40 - - -	182	186	213	168	174	173	197	198	183	159	203	195	219
Deaths 40-60 - - -	183	201	189	179	207	182	203	233	198	225	198	236	276
Deaths 60-80 - - -	174	199	167	168	169	217	166	194	206	179	190	220	265
Deaths at 80 years & upwards	36	46	39	39	51	47	37	43	33	43	43	37	55
Deaths from Smallpox - -	11	9	12	11	15	13	27	13	17	21	23	40	45
" Measles - - -	31	19	16	8	8	14	11	19	20	13	27	19	36
" Scarlet Fever - -	108	129	165	157	167	171	192	198	192	167	174	150	162
" Diphtheria - - -	6	5	6	8	7	10	9	11	8	9	7	4	10
" Whooping-cough -	20	21	15	14	13	13	16	20	24	17	10	20	28
" Typhus fever - -	2	3	6	5	11	14	12	17	12	6	10	13	12
" Enteric (or Ty- phoid) fever - -	25	29	18	21	22	22	23	22	26	24	20	19	22
" Simple Cont'd fever -	9	7	16	19	12	10	19	8	3	7	15	8	13
" Diarrhœa - - -	202	156	130	73	46	37	35	38	25	29	16	13	18
" Simple Cholera - -	19	5	3	3	4	1	1	2	1	1	2	—	—
" Phthisis - - -	147	163	163	155	151	136	146	165	153	136	148	154	176
" Bronchitis - - -	50	71	55	63	83	70	82	107	124	117	120	196	216
" Pneumonia - - -	32	44	37	42	41	56	51	70	72	73	81	95	107
" Heart Disease - -	65	54	44	55	49	60	66	58	66	70	61	75	81
Mean Temperature of the Air	57·3	57·7	57·0	54·0	54·5	55·7	54·1	47·1	49·7	48·2	44·1	39·1	37·6
Mean Temperature of the Water of the Thames - }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	67	75	82	82	85	83	86	79	86	88	90	90	90
Rain-fall in inches - - -	0·70	0·64	1·33	0·21	0·00	0·00	0·20	0·14	1·38	1·16	0·47	0·04	0·18

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna is good enough to supply the returns for that city.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Bilson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Veruon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 19th day of November 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 19th Nov.	DEATHS registered during the Week ending 19th Nov.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTIGRADE.) Weekly Mean of the Daily Mean Values.	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	4872	3684	51·4	24·3	37·2	2·89	0·49	1·25
LONDON - - -	77,997	3,214,707	41·2	2178	1639	48·8	24·3	37·6	3·11	0·18	0·45
PORTSMOUTH - -	9,513	122,084	12·8	73	41	51·4	28·6	40·2	4·55	0·53	1·35
NORWICH - - -	7,472	81,087	10·9	52	52	45·7	30·5	36·7	2·61	0·34	0·86
BRISTOL - - -	4,688	171,382	36·6	118	102	—	—	—	—	—	—
WOLVERHAMPTON -	3,387	72,990	21·5	55	28	45·9	26·1	36·2	2·33	0·47	1·20
BIRMINGHAM - -	7,831	369,604	47·2	255	159	46·1	29·3	38·0	3·33	0·40	1·02
LEICESTER - - -	3,200	97,427	30·4	57	55	45·5	28·2	36·0	2·22	0·55	1·42
NOTTINGHAM - -	1,906	88,888	44·5	67	52	45·1	27·1	35·8	2·12	0·31	0·79
LIVERPOOL - - -	5,108	517,567	101·3	353	386	47·0	27·5	39·0	3·89	0·90	2·29
MANCHESTER - -	4,486	374,993	83·6	270	192	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	78	64	48·2	25·6	36·0	2·22	0·62	1·57
BRADFORD - - -	6,590	143,197	21·7	84	66	44·3	29·5	36·1	2·28	0·62	1·57
LEEDS - - -	21,572	259,527	12·0	183	162	44·0	30·0	36·4	2·44	0·44	1·12
SHEFFIELD - - -	22,830	247,378	10·8	182	101	46·0	27·7	37·0	2·78	0·30	0·76
HULL - - -	3,562	130,869	36·7	74	52	—	—	—	—	—	—
SUNDERLAND - -	3,306	100,079	30·5	83	45	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	87	75	41·0	31·0	35·9	2·17	0·38	0·96
EDINBURGH - - -	4,427	178,970	40·4	126*	74*	44·7	33·0	38·7	3·72	0·30	0·76
GLASGOW - - -	5,063	468,189	92·5	353*	319*	44·4	30·4	37·6	3·11	0·92	2·34
DUBLIN - - -	9,745	321,540	33·0	144	120	47·0	28·0	38·3	3·50	0·56	1·42
PARIS - - -	—	1,889,842	—	—	—	—	—	—	—	—	—
						Week ending 12th November 1870.					
VIENNA - - -	—	622,087	—	Week ending 12 Nov. 1870.	Week ending 12 Nov. 1870.	—	—	38·5	3·62	—	—
						Week ending 17th November 1870.					
BERLIN - - -	—	800,000	—	Week ending 17 Nov. 1870.	Week ending 17 Nov. 1870.	—	—	—	—	—	—

* No Return of Births and Deaths having been received either from Edinburgh or Glasgow, averages of the numbers in the six previous weeks have been used to make up the totals for the 20 Towns.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 19th day of November 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.	
Total of 17 TOWNS -	27	3271	764	616	49	75	304	16	62	150	48	108	188	491	
LONDON - - - -	27	1639	354	320	45	36	162	10	28	47	18	61	96	279	
PORTSMOUTH - -	18	41	9	11	-	-	3	-	-	1	-	-	1	3	
NORWICH - - -	33	52	11	8	-	-	8	1	2	2	-	-	1	1	
BRISTOL - - -	31	102	19	24	-	2	23	-	-	5	1	4	5	15	
WOLVERHAMPTON -	20	28	8	4	-	1	1	-	-	2	1	-	-	1	
BIRMINGHAM - -	22	159	32	25	-	7	11	2	2	7	5	8	17	20	
LEICESTER - - -	29	55	12	7	-	1	14	-	1	-	2	-	1	4	
NOTTINGHAM - -	31	52	10	20	-	-	-	-	-	2	1	2	5	6	
LIVERPOOL - - -	39	386	113	76	4	10	36	1	17	43	3	14	24	75	
MANCHESTER - -	27	192	38	36	-	3	6	-	1	10	6	3	7	40	
SALFORD - - -	27	64	17	11	-	1	4	1	-	1	2	2	4	5	
BRADFORD - - -	24	66	10	7	-	1	10	1	2	3	3	1	-	5	
LEEDS - - - -	33	162	51	27	-	12	3	-	4	8	3	6	11	14	
SHEFFIELD - - -	21	101	38	13	-	1	9	-	-	8	-	3	5	5	
HULL - - - -	21	52	13	9	-	-	8	-	-	4	-	1	3	3	
SUNDERLAND - -	23	45	14	7	-	-	2	-	3	1	1	1	1	5	
NEWCASTLE-ON-TYNE -	29	75	15	11	-	-	4	-	2	6	2	2	7	12	
DUBLIN - - - -	19	120	20	24	-	-	17	-	9	10	5	2	2	13	

TABLE 5.—DEATHS IN LONDON Registered in the FORTY-SIXTH Week of the Year 1870.

CAUSES OF DEATH.	Averages of the Forty-sixth Week in the 10 years 1860-69.	In the Week ending Saturday, November 19, 1870.								Averages of the Forty-sixth Week in the 10 years 1860-69.	In the Week ending Saturday, November 19, 1870.									
		Deaths of Persons of the Ages									Deaths of Persons of the Ages									
		ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.	ALL AGES.	Under 20.		20 and under 40.		40 and under 60.		60 and under 80.	80 Years and upwards.
			Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.					Mean Tem.	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.		
Mean Temperature -	42° 8	37° 6	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	42° 8	37° 6	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.				
ALL CAUSES - -	1486° 4	1639	674	150	219	276	265	55												
SPECIFIED CAUSES	1470° 9	1635	673	150	219	275	263	55												
ZYMOTIC DISEASES.																				
ORDER 1.																				
Small-pox - - -	11° 1	45	23	9	10	2	1	-												
Measles - - -	40° 8	36	35	1	-	-	-	-												
Scarlet Fever (Scarlatina) -	90° 6	162	96	53	8	-	-	-												
Diphtheria - - -	11° 0	10	7	2	-	-	-	-												
Quinsy - - -	1° 9	1	-	-	-	-	-	-												
Croup - - -	15° 8	13	13	-	-	-	-	-												
Whooping-cough - - -	40° 8	23	27	1	-	-	-	-												
Typhus - - -	-	12	2	2	2	5	1	-												
Enteric or Typhoid Fever -	58° 2	22	7	5	2	3	2	-												
Simple continued Fever -	-	13	4	3	2	3	1	-												
Erysipelas - - -	9° 0	21	4	-	-	3	6	7	1											
Puerperal Fever (Metria) -	5° 7	9	-	-	-	7	2	-	-											
Carbuncle - - -	1° 2	1	-	-	-	-	-	-	-											
Influenza - - -	1° 8	1	-	-	-	-	-	-	-											
Dysentery - - -	17° 7	2	-	-	1	-	1	-	-											
Diarrhoea - - -	21° 2	18	14	-	-	-	4	-	-											
Simple Cholera - - -	3° 5	-	-	-	-	-	-	-	-											
Ague - - -	-	-	-	-	-	-	-	-	-											
Remittent Fever - - -	-	-	-	-	-	-	-	-	-											
Rheumatism - - -	8° 0	13	-	3	3	4	3	-	-											
Other Zymotic Diseases -	-	2	1	1	-	-	-	-	-											
ORDER 2.																				
Syphilis - - -	77° 7	17	6	-	1	-	-	-	-											
Stricture of Urethra - - -	1° 3	2	-	-	-	2	-	-	-											
Hydrophobia - - -	-	-	-	-	-	-	-	-	-											
Glanders - - -	-	1	-	-	1	-	-	-	-											
ORDER 3.																				
Privation - - -	-	-	-	-	-	-	-	-	-											
Want of Breast-milk - - -	9° 4	7	7	-	-	-	-	-	-											
Purpura and Scurvy - - -	1° 0	-	-	-	-	-	-	-	-											
Alco-| a Del. Tremens	2° 1	2	-	-	2	-	-	-	-											
holism | Intemperance	1° 0	-	-	-	-	-	-	-	-											
ORDER 4.																				
Thrush - - -	3° 5	2	2	-	-	-	-	-	-											
Worms, &c. - - -	-	1	-	1	-	-	-	-	-											
CONSTITUTIONAL DIS.																				
ORDER 1.																				
Gout - - -	1° 2	6	-	-	1	1	4	-	-											
Dropsy - - -	14° 7	9	4	2	-	1	1	1	-											
Cancer - - -	27° 4	35	-	2	4	19	13	-	-											
Can-| a Del. Tremens	1° 7	1	-	-	-	-	-	-	-											
cer | Intemperance	-	3	-	-	-	2	1	-	-											
Morbidication - - -	3° 2	-	-	-	-	-	-	-	-											
ORDER 2.																				
Scrofula - - -	8° 1	6	3	1	-	1	1	-	-											
Tabes Mesenterica - - -	18° 7	12	11	1	-	-	-	-	-											
Phtisis - - -	166° 7	176	6	12	89	61	7	1	-											
Hydrocephalus - - -	24° 1	21	17	4	-	-	-	-	-											
III. LOCAL DISEASES.																				
ORDER 1.																				
Cephalitis - - -	11° 7	11	7	2	-	2	-	-	-											
Apoplexy - - -	32° 9	39	4	-	4	10	18	3	-											
Paralysis - - -	31° 0	34	-	-	3	6	21	4	-											
Insanity - - -	2° 5	4	-	-	-	2	2	-	-											
Chorea - - -	-	-	-	-	-	-	-	-	-											
Epilepsy - - -	8° 8	11	2	4	2	1	1	1	-											
Convulsions - - -	49° 5	52	51	-	-	-	-	-	-											
Brain Disease, &c. - - -	17° 4	14	1	2	2	1	7	1	-											
ORDER 2.																				
Pericarditis - - -	2° 7	-	-	-	-	-	-	-	-											
Aneurism - - -	3° 5	2	-	-	1	1	-	-	-											
Heart Disease, &c. - - -	67° 4	81	1	4	17	23	32	4	-											
ORDER 3.																				
Laryngitis - - -	6° 3	3	-	1	1	1	-	-	-											
Bronchitis - - -	179° 5	216	95	5	8	42	56	10	-											
Pleurisy - - -	3° 9	3	1	-	-	1	1	-	-											
Pneumonia - - -	118° 2	107	77	7	6	9	7	1	-											
Asthma - - -	10° 9	14	-	-	1	6	7	-	-											
Lung Disease, &c. - - -	16° 5	18	8	1	3	2	4	-	-											
ORDER 4.																				
Gastritis - - -	1° 3	1	-	-	-	1	-	-	-											
Enteritis - - -	5° 5	2	-	1	-	-	1	-	-											
Peritonitis - - -	4° 7	11	1	1	5	4	-	-	-											
Ascites - - -	2° 4	2	-	-	-	2	-	-	-											
Ulceration of Intestines -	2° 5	2	-	1	-	1	-	-	-											
Hernia - - -	3° 7	4	-	-	-	3	-	1	-											
Hæm - - -	2° 5	4	-	-	-	3	1	-	-											
Intussusception - - -	-	2	1	-	1	-	-	-	-											
CAUSES OF DEATH.																				
Mean Temperature -	42° 8	37° 6								42° 8	37° 6									
9. Stricture of Intestines -	1° 3	-	-	-	-	-	-	-	-											
10. Fistula - - -	-	-	-	-	-	-	-	-	-											
11. Stomach Disease, &c. -	5° 5	-	-	1	-	-	-	-	-											
12. Pancreas Disease, &c. -	-	-	-	-	-	-	-	-	-											
13. Hepatitis - - -	2° 9	-	-	-	-	2	1	1	1											
14. Jaundice - - -	3° 4	3	1	-	-	-	-	1	1											
15. Liver Disease, &c. - -	15° 9	11	-	-	-	1	8	1	1											
16. Spleen Disease, &c. -	-	-	-	-	-	-	-	-	-											
ORDER 5.																				
1. Nephritis - - -	1° 6	-	-	-	-	-	-	-	-											
2. Ischuria - - -	-	-	-	-	-	-	-	-	-											
3. Bright's Disease (Nephria) -	8° 4	17	2	2	3	5	5	-	-											
4. Diabetes - - -	-	-	-	-	-	-	-	-	-											
5. Calculus (Stone) - - -	1° 0	-	-	-	-	-	-	-	-											
6. Cystitis - - -	5° 5	-	-	-	-	-	-	-	-											
7. Kidney Disease, &c. - -	7° 5	12	1	1	2	3	5	-	-											
ORDER 6.																				
1. Ovarian Dropsy - - -	6° 6	-	-	-	-	-	-	-	-											
2. Uterus Disease, &c. - -	3° 5	3	-	-	-	1	1	1	-											
ORDER 7.																				
1. Synovitis (Arthritis) - -	-	-	-	-	-	-	-	-												

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.		
LONDON	2,803,939	2178	1639	354	320	45	36	162	10	28	12	22	13	18	61	96	279		
WEST DISTRICTS	458,125	303	278	57	65	1	13	23	1	5	-	9	1	5	12	14	52		
NORTH DISTRICTS	618,210	486	380	69	69	14	6	42	1	10	6	6	1	4	13	38	67		
CENTRAL DISTRICTS	383,321	224	181	42	43	-	2	19	-	1	-	1	3	-	12	21	38		
EAST DISTRICTS	571,158	470	342	95	58	26	7	18	1	6	2	1	2	6	9	16	59		
SOUTH DISTRICTS	773,175	695	458	91	85	4	8	55	7	6	4	5	6	3	14	12	63		
WEST DISTRICTS.																			
St. Mary Paddington WH	39015	40	30	5	10	-	-	4	-	1	-	1	-	-	1	5	5		
St. John Paddington H	36769	15	15	2	4	-	-	4	-	1	-	1	-	1	1	2	4		
Kensington Town W	59110	58	42	12	9	-	3	4	-	1	-	1	-	1	1	2	3		
Brompton H	18198	14	15	3	3	1	-	1	-	-	-	2	-	-	-	-	4		
St. Peter Hammersmith	5415	6	7	1	1	-	1	3	-	-	-	-	-	-	1	1	-		
St. Paul Hammersmith H	19104	23	16	3	6	-	3	-	-	1	-	-	-	-	1	-	2		
Fulham W	15539	17	13	6	2	-	-	-	-	1	-	-	-	-	-	-	-		
Chelsea South H	21654	12	15	3	1	-	-	3	-	-	-	-	-	1	1	2	-		
Chelsea North-west HW	19899	16	27	5	10	-	-	3	-	-	-	1	-	-	-	-	15		
Chelsea North-east	21886	8	7	2	2	-	-	1	-	-	-	1	-	-	-	-	-		
Hanover Square	19773	6	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
May Fair W	12885	2	5	-	4	-	-	-	-	-	-	-	-	-	1	-	-		
Belgrave H	55113	30	29	3	7	-	1	1	-	-	-	2	1	-	1	1	8		
St. John Westminster H	37483	16	13	2	1	-	-	1	1	1	-	-	-	1	-	-	-		
St. Margaret Westminster WH	30730	12	21	3	1	-	2	4	-	-	-	1	-	3	4	10	-		
St. James's Square	10753	5	5	1	1	-	1	2	-	-	-	-	-	-	-	-	-		
Golden Square W	13063	3	6	4	-	-	1	1	-	-	-	-	-	2	-	-	-		
Berwick-street	10607	9	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-		
St. Anne Soho	17426	11	5	1	1	-	-	-	-	-	-	1	-	-	-	-	-		
NORTH DISTRICTS.																			
All Souls Marylebone H	29952	22	24	2	8	-	-	2	-	-	-	-	-	-	3	8	7		
Cavendish Square	15090	2	2	-	6	-	-	1	-	-	-	-	-	-	-	-	7		
Rectory Marylebone W	29992	13	13	2	3	-	-	-	-	-	-	-	-	-	-	-	-		
St. Mary Marylebone H	22493	45	10	3	3	-	-	-	-	-	-	-	-	-	-	-	-		
Christchurch Marylebone	34913	19	15	4	1	-	1	-	-	-	-	-	-	1	-	-	-		
St. John Marylebone	32540	12	11	2	2	-	3	-	1	-	-	-	-	1	-	-	-		
Hampstead WH	19106	8	11	1	1	-	2	-	-	-	-	-	-	-	-	-	2		
Regent's Park Pancras	34927	30	18	6	-	-	1	-	-	1	-	-	-	2	3	-	-		
Tottenham-court WH	29371	8	19	2	4	-	-	1	-	1	-	-	-	1	1	2	7		
Gray's Inn Lane H	27808	19	15	2	3	-	-	1	-	-	-	1	-	1	-	1	-		
Somers Town	38099	34	17	3	4	-	-	-	-	1	-	1	-	1	4	1	10		
Camden Town W	23266	21	15	2	5	-	-	-	-	-	-	-	-	-	-	-	-		
Kentish Town	44817	34	38	7	9	-	1	5	-	3	-	2	1	-	1	3	-		
Islington West WH	75442	65	68	6	9	12	13	11	-	1	4	2	-	1	1	6	27		
Islington East WH	79899	73	64	13	13	2	2	11	-	1	1	-	-	-	1	3	2		
Stoke Newington	6608	15	3	3	-	-	-	-	-	-	-	-	-	-	1	1	-		
Stamford Hill	5483	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
West Hackney	24265	15	12	6	1	-	-	-	-	-	-	-	-	-	-	-	-		
Hackney WH	31481	80	15	8	3	-	-	1	-	1	-	-	-	-	-	-	4		
South Hackney L	15438	19	9	2	1	-	-	2	-	1	-	1	-	-	-	-	-		
CENTRAL DISTRICTS.																			
St. George Bloomsbury	17392	10	13	5	3	-	-	1	-	-	-	-	-	-	1	-	5		
St. Giles South WH	19483	11	13	2	4	-	-	2	-	-	-	-	-	-	-	-	-		
St. Giles North	17201	6	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
Long Acre	11618	7	3	-	2	-	-	-	-	-	-	-	-	-	-	-	4		
Charing Cross WH	11071	6	11	1	3	-	2	-	-	-	-	-	-	-	-	-	-		
St. Mary-le-Strand	10346	2	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Dances H	15307	6	7	-	1	-	-	1	-	-	-	-	-	-	1	1	2		
St. George-the Martyr H	19093	15	4	1	-	-	-	-	-	-	-	1	1	-	-	-	-		
St. Andrew East Holborn W	12947	11	8	2	2	-	-	1	-	-	-	-	-	-	-	1	3		
Saffron Hill	12012	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell W	19152	13	9	3	1	-	-	2	-	-	-	-	-	-	-	1	3		
Amwell Clerkenwell	17250	16	9	3	1	-	-	-	-	-	-	-	-	-	-	-	-		
Pentonville	13079	10	5	2	2	-	-	-	-	-	-	-	-	-	1	2	-		
Goodwell-street	16020	30	7	2	3	-	-	3	-	-	-	-	-	-	-	-	-		
Old-street	11504	7	8	2	3	-	-	-	-	-	-	-	-	-	1	2	-		
City-road HL	17880	30	13	5	5	-	-	-	-	-	-	-	-	-	-	1	-		
Whitecross-street	14778	12	4	1	-	-	-	1	-	-	-	-	-	-	-	1	-		
Finsbury	12931	8	6	2	3	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph East London	20990	4	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate	10697	13	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Sepulchre WH	11750	5	23	3	3	-	-	-	-	-	-	-	-	-	7	1	8		
St. Bride W	15395	5	10	6	1	-	-	3	-	1	-	-	-	-	1	1	1		
Castle Baynard	7762	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Christchurch	9020	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Queenhithe	8570	3	2	-	-	-	-	1	-	-	-	1	-	-	-	-	-		
Alhallow's Barking	8559	1	2	-	1	-	-	-	-	-	-	-	-	-	1	1	-		
Broad Street	11544	6	4	-	2	-	-	1	-	-	-	-	-	-	-	-	1		

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 19th November 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																	
Holywell Shoreditch	17313	9	6	3	-	-	-	2	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch Lt	19188	8	6	2	2	-	-	-	-	-	-	-	-	-	-	1	-
Hoxton New Town W	26516	20	18	5	5	3	1	1	-	-	-	-	1	-	-	-	-
Hoxton Old Town	25777	15	14	2	3	2	1	2	-	-	-	-	-	1	-	-	-
Haggerstone West W	23260	17	4	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Haggerstone East	17310	15	10	2	3	-	-	1	-	-	-	-	-	-	-	-	-
Hackney-road	26298	34	20	6	1	5	-	-	-	2	-	-	-	-	-	-	-
Green, Bethnal Green WH†	31789	35	30	4	7	1	2	2	-	-	-	-	-	-	-	-	10
Church, Bethnal Green	25528	24	10	3	-	1	-	1	-	1	-	-	-	-	-	-	-
Town, Bethnal Green	21486	23	6	4	-	-	-	-	-	-	-	-	-	1	-	-	-
Artillery Whitechapel	6557	5	7	2	1	1	-	1	-	-	-	-	-	-	-	-	-
Spitalfields	15700	14	8	-	2	3	-	-	-	-	-	-	-	1	-	-	-
Mile End New Town W	15392	12	15	2	4	2	1	2	-	-	-	-	-	-	-	1	10
Whitechapel North	12122	10	5	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Whitechapel Church H	8062	3	14	-	2	-	-	-	-	-	-	-	-	-	1	2	13
Goodman's Fields	11106	6	5	4	-	-	-	-	-	-	-	-	-	-	1	1	-
Aldgate	9971	1	4	1	2	1	-	-	-	-	-	-	-	-	-	1	-
St. Mary St. George East	18181	16	7	3	1	1	-	-	-	-	-	-	-	-	-	-	-
St. Paul St. George East	21015	15	13	4	2	2	-	-	-	-	-	-	-	1	-	-	-
St. John St. George East W	9695	5	14	4	3	-	-	-	-	-	-	-	-	-	2	2	7
Shadwell W	12537	10	7	4	-	1	-	-	-	-	-	-	-	-	-	1	-
Ratcliff WH	16874	4	3	2	-	-	-	-	-	-	-	-	-	-	-	1	2
Limehouse W	27161	24	10	3	-	1	-	1	-	-	-	-	-	1	1	2	-
Mile End Old Town West	38747	22	13	7	2	-	-	-	-	2	-	1	-	-	-	-	4
Mile End Old Town East Ww	39817	42	27	9	8	2	-	-	-	-	-	-	-	1	-	-	11
Bow WwLt	35667	46	36	8	5	-	1	3	-	-	-	1	-	-	3	4	1
Poplar W	43529	35	30	10	4	-	1	1	1	1	1	-	-	1	-	-	-
SOUTH DISTRICTS.																	
Christchurch Southwark W	17069	13	6	-	2	-	-	-	-	-	-	-	-	-	-	-	2
St. Saviour Southwark H	19101	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Kent-road	16652	29	13	3	3	1	-	-	-	-	-	1	-	-	1	-	-
Borough-road W	16668	14	15	5	1	-	-	1	-	-	-	-	-	-	-	1	3
London-road L	19190	10	11	-	2	-	-	2	-	-	-	-	-	-	-	1	2
Trinity Newington	22675	15	8	1	1	-	-	-	1	-	-	-	-	-	-	-	-
St. Peter Walworth W	44463	41	21	4	7	-	-	1	-	-	-	-	1	1	-	-	5
St. Mary Newington H	15082	10	14	2	3	-	-	1	-	-	-	-	-	-	-	-	4
St. Olave Southwark H	7663	4	15	1	3	-	-	-	-	-	-	-	-	-	5	5	14
St. John Horsleydown W	11893	10	8	1	2	-	-	-	-	-	-	-	-	2	2	1	3
Leather Market	16696	21	15	7	1	-	-	2	1	1	-	-	2	-	-	-	-
St. Mary Magdalen W	16505	13	6	2	1	-	-	-	-	1	-	-	-	-	-	-	1
St. James Bermondsey	25154	39	20	7	2	-	-	-	-	1	-	-	-	-	-	-	-
Rotherhithe W	24502	19	13	1	8	-	-	-	-	-	-	-	-	2	2	2	5
Waterloo-road 1st	15289	10	6	-	2	-	-	-	-	-	-	-	-	-	1	1	-
Waterloo-road 2nd H	18640	15	5	1	1	-	-	1	-	-	-	-	-	-	1	1	-
Lambeth Church 1st	19839	19	8	2	-	-	1	1	-	-	-	-	-	-	-	-	-
Lambeth Church 2nd W	20842	31	16	1	5	-	-	2	2	-	-	1	-	-	-	-	7
Kennington 1st	30785	29	21	5	5	-	4	2	1	-	-	1	-	-	-	-	-
Kennington 2nd	20440	13	14	-	3	-	6	-	-	-	-	-	-	-	-	-	-
Brixton	20067	19	12	4	1	-	-	2	-	-	-	-	-	-	-	-	-
Norwood W	7462	8	3	2	-	-	-	1	-	1	-	-	-	-	-	-	-
Clapham	29694	16	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Battersea W	19300	84	31	7	4	1	-	10	-	-	-	-	-	-	-	-	3
Wandsworth L	13346	14	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Putney	6481	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Streatham	10082	3	8	2	2	-	-	3	-	-	-	-	-	-	-	-	-
Dulwich	1723	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camberwell WLT†	21297	24	17	2	6	1	2	1	1	-	-	-	-	-	-	-	5
Peckham W	23135	39	26	5	6	1	-	4	-	2	-	-	-	-	-	-	-
St. George Camberwell	26833	22	9	3	1	-	-	3	-	1	-	-	-	-	-	-	-
St. Paul Deptford	37884	43	25	5	5	-	-	1	-	-	-	-	-	-	1	-	-
St. Nicholas Deptford	8130	6	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich West H	21696	14	16	1	2	-	-	-	-	-	-	1	-	-	1	-	-
Greenwich East WH	18306	11	14	1	2	-	-	-	1	-	-	1	-	1	-	-	4
Eltham	9009	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lee	11003	8	5	1	1	-	-	2	-	-	-	-	-	-	-	-	-
Lewisham Village W	7372	8	5	-	1	-	-	-	-	-	-	-	-	-	-	-	2
Sydenham	10595	13	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Charlton H	9276	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Woolwich Dockyard H	22319	10	5	2	1	-	-	-	-	1	-	-	-	-	-	-	-
Woolwich Arsenal H	18776	14	9	2	-	-	1	8	-	-	-	-	-	-	-	-	-
Plumstead, West	8	4	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Plumstead, East	24502	12	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh.	is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand	" Tottenham-court sub-district.	" Mile End Old Town Eastern sub-dist. and
London City	" Islington East.	" Bow sub-district.
Do. " "	" Hackney sub-district.	" Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 19th NOVEMBER, 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.	
Phases of Moon.	Moon.	Barometer.		Dry.		Dew Point.		Highest in the sun, as shown by a self-registering thermometer.		Lowest in the sun, as shown by a self-registering thermometer.		In the Water of the Thames at Greenwich, by a self-registering thermometer.		Between Dew Point and Air Temperature		Between mean temperature of the day and the day and mean temperature of the same day, ascertained by 100 parts of 50 years.*		Degree of humidity, from observation.		Collected in a Gauge whose surface is 5 in. above the ground.	
		High-est.	Low-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.		
1870.																					
MONTH AND DAY.																					
NOVEMBER.																					
SUNDAY . .	13	Greatest Dec. N.	29.210	45.0	31.0	14.0	37.5	36.3	54.7	26.1	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
MONDAY . .	14	..	29.054	48.8	36.3	12.5	42.7	39.0	69.5	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
TUESDAY . .	15	..	29.024	38.9	29.0	9.9	33.7	31.6	40.6	22.1	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
WEDNESDAY	16	Last Qr.	29.200	43.3	32.3	12.0	38.0	34.7	68.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
THURSDAY .	17	..	29.343	43.3	30.4	12.9	35.7	33.0	68.9	24.1	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
FRIDAY . .	18	..	29.455	44.8	31.6	13.2	36.8	33.7	79.8	25.6	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
SATURDAY .	19	In Equator	29.282	46.9	24.3	22.6	38.7	35.0	79.7	24.2	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
MEANS . .		..	29.217	44.6	30.7	13.9	37.6	34.8	66.5	25.4	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
																</					

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the latter are considered to be coincident with those of the Royal Society's, and 9th P.M. The mean of the readings of the barometer, the dry bulb thermometer, and the wet thermometer, observed at these times are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1843, December 31. * In reading the 17th column it will be borne in mind that + is read "higher," and — "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 29.16 in. at the beginning of the week to 29.27 in. by 9h. P.M. on the 13th; decreased to 28.98 in. by 3h. P.M. on the 14th; increased to 29.02 in. by 9h. P.M. on the same day; decreased to 28.98 in. by 9h. A.M. on the 15th; increased to 29.49 in. by 9h. A.M. on the 18th; and was 29.17 in. at the end of the week.

SKY AND ATMOSPHERE.

Snow and rain fell during the early morning. Overcast till the evening; then cloudless.

Lunar corona and halo visible about 3h. A.M. Generally cloudy till 9h. P.M., then cloudless. A little rain fell about 3h. P.M.

Lunar corona and halo, and occasional meteors were observed during the early morning. Snow fell between 3h. A.M. and 9h. A.M. Cloudy and foggy between 10h. A.M. and noon. Cloudy till night, then cloudless.

Hoar frost and fog in the morning. Light clouds were prevalent throughout, and it became foggy at night.

Generally cloudless. A fine day. Hoar frost in the morning and at night.

Cloudless. Very fine. Hoar frost.

Hoar frost and fog in the morning. Cloudy during the day. Rain commenced about 10h. A.M. and continued till midnight. Lightning was observed between 9h. and 10h. P.M.

ELECTRICITY.

The electric apparatus was out of order.

DATE.

NOVEMBER.

SUNDAY . 13

MONDAY . 14

TUESDAY . 15

WEDNESDAY 16

THURSDAY . 17

FRIDAY . 18

SATURDAY . 19

WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY BYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 47. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, NOVEMBER 26. [Price 1½d.

*General Register Office, Somerset House,
28th November 1870.*

DURING the week ending Saturday the 26th instant, 4761 *births* and 3882 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 28 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 27 per 1000; Portsmouth 18, Norwich 40, Bristol 31, Wolverhampton 16, Birmingham 22, Leicester 35, Nottingham 26, Liverpool 37, Manchester 26, Salford 27, Bradford 31, Leeds 31, Sheffield 29, Hull 25, Sunderland 22, and Newcastle-upon-Tyne 24.

In Edinburgh the annual rate of mortality last week was 34 per 1000 persons living, in Glasgow 30 per 1000, and in Dublin 31.

It is now 135 days since the Weekly Returns from Berlin, and 70 days since those from Paris, were discontinued on account of the War.

In Vienna the annual rate of mortality during the week ending 19th instant was 27 per 1000. In the City of Bombay the deaths registered during the week ending 25th October were 310 (exclusive of still-born), and the mortality was at the annual rate of 20 per 1000.

In LONDON the *births* of 1081 boys and 1057 girls, in all 2138 children, were registered last week. The *deaths* registered in the same time were 1652. During the corresponding weeks of ten previous years the registered births averaged 2002, and the deaths 1492 per week; after making due allowance for increase of population, the average for the past week is estimated at 2202 births and 1641 deaths; the registered births, therefore, were 64 below, and the deaths 11 above, the estimated average.

Zymotic diseases caused 353 deaths, including 41 from small-pox, 24 from measles, 122 from scarlet fever, 5 from diphtheria, 19 from croup, 26 from whooping-cough, 6 from typhus, 28 from enteric (or typhoid) fever, 10 from simple continued fever, 14 from erysipelas, and 18 from diarrhœa.

Seventy-two deaths resulted from violence: of these 67 were accidental, including 36 by fractures, 9 by burns or scalds, 4 by drowning, and 15 by suffocation.

Eleven fatal accidents caused by horses or vehicles in the streets were returned last week: a costermonger, aged 50 years, died on 15th instant, at Pancras Workhouse, of injuries caused by a fall from a cart; a cook (male), aged 34 years, died on 15th instant, at King's College Hospital, of injuries from being run over by an omnibus in Chancery-lane; a schoolmaster, aged 77 years, died on 16th instant, at London Hospital, of injuries from being knocked down by a horse; a girl, aged 8 years, died on 17th instant, at London Hospital, having been run over by a van; a carman, aged 61 years, died on 21st instant, at Poplar Hospital, having been run over by a horse and cart which he was driving; a labourer, aged 74 years, died on 23d instant, at Guy's Hospital, of injuries caused by a van on London Bridge; an omnibus conductor, aged 51 years, died on 21st instant, of injuries caused by falling off his omnibus whilst collecting fares; a widow, aged 89 years, died on 9th October, of injuries from being knocked down and run over by a bicycle; a female, aged 40 years, died on 24th October, of "injuries received from being run over accidentally;" a grocer, aged 36 years, died on 24th October, of injuries received from being thrown out of his cart; a grocer's daughter, aged 3 years, died on 1st instant, "accidentally killed from a cart."

Professor Frankland reports that all the waters supplied by the several water companies to the Metropolis during the month of November were clear and transparent when the samples for analysis were drawn.

Dr. Frankland comments on the process of softening and purifying waters by Clark's process, which has been carried out with entire success by Mr. Homersham, C.E., at Canterbury. The water is drawn from a deep well sunk in the chalk. Analysis shows that the process reduces the hardness of this water to less than one fifth of its original amount, and that not the slightest trace of organic matter can be detected in the softened water. Dr. Frankland says: "I know of no better water than this in the United Kingdom;" and he adds that "the chalk, oolite, and green sand around the Metropolis contain abundance of water, which is of unsurpassed purity after being submitted to this simple process."

The testimony of Dr. Frankland to the excellence of the Canterbury water supply has an important bearing on the question of an improved water supply for London.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·295 in.; the highest was 29·84 in. at the end of the week, and the lowest was 28·97 in. on Tuesday. The mean temperature of the *air* was 46°·8, or 5°·7 above the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 58°·9 on Thursday; the lowest night temperature was 36°·9 on Sunday; the entire range of temperature in the week was, therefore, 22°·0. The highest temperature in the sun was 89°·7 on Wednesday. The difference between the mean *dew-point* temperature and *air* temperature was 3°·6. The mean degree of *humidity* of the air was 87, complete saturation being represented by 100. The general direction of the *wind* was S.W. and S.S.W., and the horizontal movement of the air amounted to 16 miles per hour. *Rain* fell on six days in the week to the amount of 0·95 in.

The mean temperature of the week in the other large English towns furnishing returns ranged from 40°·8 in Hull, to 46°·4 in Portsmouth; the lowest recorded night temperature was 30°·0 in Hull, and the highest day temperature in the shade was 57°·2 in Portsmouth. Rain fell in all the towns, the quantities measured ranging from 0·65 in. at Hull, to 2·0 in. at Salford.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 8°·2; the highest day temperature in the shade was 14°·9; the lowest night temperature was 2°·7; the highest temperature in the sun was 32°·1. The mean temperature of the week on an average of 50 years was 5°·1, or 3°·1 below the temperature of last week. The wind blew at the rate of 25·6 kilometers an hour, and the rain-fall was 2·42 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 308,915 cubic metres, and at Barking 219,140 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

ANALYSIS OF METROPOLITAN WATERS FOR NOVEMBER.

SIR,

Royal College of Chemistry, 26th November, 1870.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of November. For the purpose of comparison I append also the results yielded by the waters supplied to Birmingham, Glasgow, and Canterbury, also by well-waters from Cirencester and Canterbury, and by the water supplied by the South Essex Water Company.

All the waters supplied to the Metropolis were clear and transparent.

The supplies furnished by the New River and Kent Companies still continue to be much purer, as regards organic elements, than the waters drawn from the Thames and Lea by the other London companies. Of water abstracted from the Thames, that supplied by the West Middlesex Company contained the smallest proportion of organic elements, the relative amount being only half as great as that contained in the Lambeth Company's water. By the application of Clark's process of softening, the hardness of the Grand Junction Company's water was reduced to one fourth of its original amount, and the total solid impurity from

28.1 to 11.64 parts in 100,000. I have recently visited the admirable water-works at Canterbury where Mr. Homersham easily and successfully softens, by this process, the whole of the water supplied to that city. The water is pumped from a deep well sunk into the chalk, and I took samples of it before and after softening. The results of the analyses of these samples are contained in the annexed table: they show that the hardness is reduced to less than one fifth of its original amount. Repeated chemical analyses have failed to detect the slightest trace of organic matter in the softened water. Mixed with sugar it remained perfectly clear and transparent even after the lapse of three weeks. This being deep well water, the evidence of some previous sewage or animal contamination, which it exhibits, may safely be disregarded. I know of no better water than this in the United Kingdom, and I have already pointed out that similar supplies of softened water have been obtained from the chalk by the same engineer at Caterham and at Tring. The Canterbury water as seen in the reservoirs (15 feet deep) is of a magnificent blue tint, even before softening, owing to the absence of any organic colouring matter to soil the natural tint of pure water. On this account the chalk, which is precipitated from the Canterbury water during the softening process, is of dazzling whiteness, whilst that thrown down from the Grand Junction Company's water is of a brownish yellow tint, being dyed with the coloured organic matter which is extracted from the water of the Thames by the softening operation. The chalk, oolite, and green-sand around the Metropolis contain abundance of water, which is of unsurpassed purity after being submitted to this simple process.

In illustration of the kind of water which the inhabitants of Canterbury were compelled to drink before the introduction of the new supply, I have analysed samples from two shallow wells which are still much used. From the results, which are entered in the annexed analytical table, it will be seen that these wells are fed to a considerable extent by sewage which has percolated through a few feet of porous earth. 100,000 parts of water from the public pump in Cobden-place had been contaminated with an amount of animal matter equal to that present in 23,500 parts of average London sewage, but mere traces of this matter remained unoxidized at the time the sample was analysed; the use for domestic purposes, however, of a water having such an origin cannot be recommended. The water taken from the public pump in the passage out of the Sun Inn-yard is of a still more objectionable quality, and, in the interests of the public health, this pump ought to be immediately closed. It contains a considerable proportion of highly nitrogenized organic matter and a very large proportion of ammonia derived from urine which gains access to the well. Mixed with sugar both these waters became turbid in a few days from the development of crowds of vibrios and bacteria.

The town of Cirencester has for more than six months been suffering from a severe attack of scarlet and typhoid fever. Professor Church, of the Royal Agricultural College, states that the population of Cirencester is about 7,000, and that from January 1st to November 23d, 1870, there have occurred 43 deaths from scarlet fever, 1 from typhus, and 5 from typhoid fever. In passing through the town on the 4th instant I collected samples of water from four public pumps, and on the 7th instant Professor Church sent me a fifth sample. I have analysed these samples and now include the results in the accompanying table. The water from the Market-place pump would be of excellent quality for drinking if it were not rendered slightly turbid from surface soakage, the cause of which could doubtless be discovered and the necessary remedy easily supplied. The water from the pump near the railway station may also be used without much risk, but Bowly's pump-water contains the products of decomposition going on in a neighbouring graveyard, whilst the water of Chapel well near Park-street, and of Sheep-street well (which was very turbid) has been much contaminated with sewage. The public safety demands that the three last-named wells should be immediately closed; the proposed cleansing of them will do but little good. When mixed with sugar these well-waters develop in a short time, crowds of vibrios, bacteria, and fungoid growths. As Cirencester is surrounded with excellent water there can be but little difficulty in supplying the town with a wholesome beverage.

Dr. Hill reports that on the 4th instant the water supplied to Birmingham was tolerably clear. Although this water has of late improved in quality it still contains a very large proportion of organic elements.

I have, &c.

The Registrar General, &c., &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion (Esti- mated).	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 7th November, Cab Rank, Horse Guards }	9·4	27·96	·188	·030	·000	·262	·292	2300	1·80	20·60
West Middlesex -	{ 7th November, Cab Rank, Portland-road }	10·0	27·20	·119	·017	·000	·188	·205	1560	1·78	19·72
Southwark and Vauxhall - - -	{ 7th November, Cab Rank, St. George's Church, Borough }	10·6	27·86	·136	·021	·002	·218	·241	1880	1·78	20·30
Grand Junction -	{ 7th November, Cab Rank, Woodstock-st. }	10·0	28·10	·134	·024	·000	·235	·259	2030	1·70	20·30
Ditto, softened by Clark's process -	{ 14th November, 14, Lancaster Gate, Hyde Park. }	—	11·64	·127	·027	·001	·194	·222	1630	1·60	5·00
Lambeth - - -	{ 7th November, Cab Rank, Lambeth-road }	9·4	28·18	·224	·044	·000	·228	·272	1900	1·85	20·30
OTHER SOURCES.											
New River - - -	{ 7th November, Cab Rank, Tottenham- court-road }	10·3	27·70	·040	·012	·000	·181	·193	1400	1·60	20·90
East London - -	{ 8th November, Slater's Lamp Black Works, Old Ford-road }	10·8	27·26	·112	·018	·000	·140	·158	1080	1·90	20·00
Kent - - -	{ 8th November, Deptfd. Bdge. Police Stat. }	10·8	38·24	·021	·005	·000	·446	·451	4140	2·80	27·24
South Essex - -	{ 25th October, Romford - - - }	—	43·64	·105	·028	·000	·813	·841	7810	5·60	27·54
Birmingham * -	{ 4th November, Birmingham Water Supply }	—	23·96	·374	·062	·004	·209	·274	1810	1·41	15·42
Glasgow - - -	{ 3d August, Water Supply from Loch Katrine - - - }	16·7	2·40	·185	·022	·001	·000	·023	0	·85	·88
Cirencester - -	{ 4th November, Market Place Pump - - }	10·6	31·00	·041	·008	·000	·362	·370	3300	1·60	23·00
	{ Bowley's Pump - - - }	11·1	54·16	·123	·019	·001	1·414	1·434	13830	3·65	44·30
	{ Sheep-street Well - - }	10·8	55·88	·332	·074	·036	·802	·906	8000	5·10	35·00
	{ Well at Railway Station - }	11·4	59·20	·144	·019	·000	·626	·645	5940	2·80	37·85
	{ 7th November, Chapel Well near Park-st. - }	—	61·40	·283	·069	·134	·469	·648	5470	6·09	45·70
Canterbury - -	{ 29th October, Water Supply Water leav- ing Well - - - }	10·8	33·60	·012	·012	·000	·426	·438	3940	2·10	26·34
	{ Water Supply softened by Clark's Process - - - }	10·8	11·94	·000	·000	·000	·431	·438	3990	2·10	4·86
	{ Public Pump in Cobden- place - - - }	—	68·12	·047	·023	·024	2·362	2·405	23500	6·60	37·15
	{ Public Pump in Passage out of Sun Inn-yard - }	—	106·00	·154	·143	·405	4·946	5·422	52470	13·10	54·30
Column 1	2	3	4	5	6	7	8	9	10	11	12

* Analysed by Dr. Alfred Hill, of Queen's College, Birmingham.

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 7th November at the Horse Guard's cab-rank had a temperature of 9·4°C.; 100,000 lbs. of it contained 27·96 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·188 lb. of carbon and ·030 lb. of nitrogen. This solid impurity also contained ·262 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·292 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 2300 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage contamination had been, so far as analysis can show, converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·80 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 20·6 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTY-SEVENTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1813	1853	1885	1970	1944	1926	2135	2260	2158	2080	2002·4	2138
Males . .	926	933	1000	999	1004	957	1101	1168	1083	1063	1024·0	1081
Females .	887	914	885	971	940	969	1034	1092	1075	1017	978·4	1057
TOTAL Deaths	1257	1434	1559	1475	1677	1471	1435	1426	1507	1676	1491·7	1652
Males .	659	723	811	756	825	738	716	699	748	852	753·2	860
Females .	598	706	748	719	852	733	719	727	759	824	738·5	792

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Sept. 3.	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.	Nov. 5.	Nov. 12.	Nov. 19.	Nov. 26.
TOTAL Deaths	1426	1322	1197	1212	1277	1279	1416	1334	1266	1343	1468	1639	1652
Deaths under 5 years of age	642	564	504	488	495	526	579	573	537	568	644	674	712
Deaths 5–20	152	150	139	123	163	150	169	141	123	141	136	150	131
Deaths 20–40	186	213	168	174	173	197	198	183	159	203	195	219	212
Deaths 40–60	201	189	179	207	182	203	233	198	225	198	236	276	244
Deaths 60–80	199	167	168	169	217	166	194	206	179	190	220	265	293
Deaths at 80 years & upwards	46	39	39	51	47	37	43	33	43	43	37	55	60
Deaths from Small-pox	9	12	11	15	13	27	13	17	21	23	40	45	41
" Measles	19	16	8	8	14	11	19	20	13	27	19	36	24
" Scarlet Fever	129	165	157	167	171	192	198	192	167	174	150	162	122
" Diphtheria	5	6	8	7	10	9	11	8	9	7	4	10	5
" Whooping-cough	21	15	14	13	13	16	20	24	17	10	20	28	26
" Typhus fever	3	6	5	11	14	12	17	12	6	10	13	12	6
" Enteric (or Typhoid) fever	29	18	21	22	22	23	22	26	24	20	19	22	28
" Simple Contagious fever	7	16	19	12	10	19	8	3	7	15	8	13	10
" Diarrhoea	156	130	73	46	37	35	38	25	29	16	13	18	18
" Simple Cholera	5	3	3	4	1	1	2	1	1	2	—	—	—
" Phthisis	163	163	155	151	136	146	165	153	136	148	154	176	165
" Bronchitis	71	55	63	83	70	82	107	124	117	120	196	216	257
" Pneumonia	44	37	42	41	56	51	70	72	78	81	95	107	116
" Heart Disease	54	44	55	49	60	66	58	66	70	61	75	81	75
Mean Temperature of the Air	57·7	57·0	54·0	54·5	55·7	54·1	47·1	49·7	48·2	44·1	39·1	37·6	46·8
Mean Temperature of the Water of the Thames	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air	75	82	82	85	83	86	79	86	88	90	90	90	87
Rain-fall in inches	0·64	1·33	0·21	0·00	0·00	0·20	0·14	1·33	1·16	0·47	0·04	0·18	0·95

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatier, the Superintendent of Statistics in Vienna is good enough to supply the returns for that city.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 26th day of November 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 26th Nov.	DEATHS registered during the Week ending 26th Nov.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALLEN.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Cent.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	4761	3882	58·9	30·0	43·1	6·17	1·14	2·1
LONDON - - -	77,997	3,214,707	41·2	2138	1652	58·9	36·9	46·8	8·22	0·95	2·1
PORTSMOUTH - -	9,513	122,084	12·8	65	41	57·2	32·4	46·4	8·00	0·86	2·1
NORWICH - - -	7,472	81,087	10·9	59	62	—	—	—	—	—	—
BRISTOL - - -	4,688	171,382	36·6	107	102	—	—	—	—	—	—
WOLVERHAMPTON -	3,387	72,990	21·5	51	23	55·0	32·4	44·1	6·73	1·38	3·1
BIRMINGHAM - -	7,831	369,604	47·2	241	156	56·2	33·1	44·8	7·11	1·62	4·1
LEICESTER - - -	3,200	97,427	30·4	72	66	56·0	31·5	43·3	6·28	0·82	2·1
NOTTINGHAM - -	1,996	88,888	44·5	45	45	55·9	31·2	42·3	5·73	1·26	3·1
LIVERPOOL - - -	5,108	517,567	101·3	340	364	52·1	35·4	43·5	6·39	1·71	4·1
MANCHESTER - -	4,486	374,993	83·6	244	187	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	64	64	54·5	31·1	42·7	5·95	2·00	5·1
BRADFORD - - -	6,590	143,197	21·7	98	84	56·1	34·2	43·5	6·39	1·75	4·1
LEEDS - - -	21,572	259,527	12·0	187	153	55·0	33·0	42·7	5·95	1·49	3·1
SHEFFIELD - - -	22,830	247,378	10·8	201	136	55·0	33·0	43·0	6·11	1·38	3·1
HULL - - -	3,562	130,869	36·7	86	63	56·0	30·0	40·8	4·88	0·65	1·1
SUNDERLAND - -	3,306	100,979	30·5	55	43	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	92	61	52·0	35·0	41·7	5·39	0·66	1·1
EDINBURGH - - -	4,427	178,970	40·4	111	115	50·7	31·0	40·6	4·77	0·40	1·1
GLASGOW - - -	5,063	468,189	92·5	343	271	49·5	32·1	40·1	4·50	0·86	2·1
DUBLIN - - -	9,745	321,540	33·0	162	194	57·2	32·0	43·0	6·11	0·46	1·1
PARIS - - -	19,279	1,889,842	98	—	—	—	—	—	—	—	—
VIENNA - - -	9,212	622,087	68	Week ending 19 Nov. 1870.	Week ending 19 Nov. 1870. 318	—	—	43·5	6·37	—	—
BERLIN - - -	15,451	800,000	52	Week ending 24 Nov. 1870.	Week ending 24 Nov. 1870.	—	—	—	—	—	—
						Week ending 19th November 1870.					
						Week ending 24th November 1870.					

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 26th day of November 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.		
Total of 17 TOWNS -	28	3302	806	670	53	49	263	16	58	161	41	126	242	47	
LONDON - - -	27	1652	408	353	41	24	122	5	26	44	18	72	144	27	
PORTSMOUTH - - -	18	41	7	5	-	-	1	-	2	5	-	3	4	-	
NORWICH - - -	40	62	13	17	-	1	11	1	2	-	-	2	2	1	
BRISTOL - - -	31	102	20	31	-	1	16	1	-	3	1	1	3	1	
WOLVERHAMPTON -	16	23	6	4	-	3	1	-	-	-	1	1	1	-	
BIRMINGHAM - -	22	156	33	37	-	2	9	2	4	6	-	6	19	9	
LEICESTER - - -	35	66	13	11	-	-	15	-	2	1	-	1	2	-	
NOTTINGHAM - -	26	45	10	14	-	-	1	-	-	3	-	-	2	-	
LIVERPOOL - - -	37	364	106	61	10	10	46	3	15	47	3	10	12	-	
MANCHESTER - -	26	187	48	35	-	-	4	-	2	11	5	9	17	-	
SALFORD - - -	27	64	15	16	1	-	-	-	1	3	3	9	12	-	
BRADFORD - - -	31	84	16	15	-	-	9	-	1	7	1	2	3	-	
LEEDS - - -	31	153	37	23	-	8	6	-	1	12	5	2	7	1	
SHEFFIELD - - -	29	136	38	8	1	-	13	2	-	8	1	5	5	-	
HULL - - -	25	63	17	13	-	-	6	-	-	3	2	3	4	-	
SUNDERLAND - -	22	43	7	10	-	-	3	2	2	1	1	-	1	-	
NEWCASTLE-ON-TYNE	24	61	12	17	-	-	-	-	-	7	-	-	4	-	
DUBLIN - - -	31	194	26	55	-	-	13	1	8	8	5	3	3	64	

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															
REGISTRARS' SUB-DISTRICTS.	Under 1 Year of Age.				60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Instl- tutions.			
LONDON		2,803,989	2138	1652	408	353	41	24	122	5	26	6	28	10	18	72	144	276		
WEST DISTRICTS.																				
St. Mary Paddington WH		39015	38	25	8	4	1	1	1				1		1	1	5	5		
St. John Paddington H		36769	15	16	1	4									1		3	3		
Kensington Town W		51910	42	51	13	13		1	3				1				7	7		
Brompton H		18198	16	12	6															
St. Peter Hammersmith		5415	4	5	1	3			1						1					
St. Paul Hammersmith H		19104	20	19	3	2		1									2	2		
Fulham W		15539	12	8	3	2											1	1		
Chelsea South H		21654	10	16	6	4		1	1				1				8	1		
Chelsea North-west WH		19899	15	16	3	7			1				1				1	7		
Chelsea North-east		21886	19	9		4		1	1											
Hanover Square		19773	8	6		2									1					
May Fair W		12885	4	2		1														
Belgrave H		55113	38	35	10	4		4	1		1		3		1	5	4	8		
St. John Westminster H		37483	31	15	4	3	1		2											
St. Margaret Westminster WH		30730	13	24	8	7							1		1	1	8			
St. James's Square		10753	2	3		2									1					
Golden Square W		13966	6	7		1			1				1							
Berwick-street		10607	9	10	6	2											1			
St. Anne Soho		17426	8	4		3														
NORTH DISTRICTS.																				
All Souls Marylebone H		29952	14	18	6	3			2		1					2	2	4		
Canadish Square		15090	6	4	2	1														
Rectory Marylebone W		26692	14	19	4	7		1	1							1	2	8		
St. Mary Marylebone H		22493	27	7	1	3														
Christchurch Marylebone		34913	17	10	3	2		1	1				1							
St. John Marylebone		32540	15	10	3	4			1				1		3					
Hampstead WH		19106	21	11	1	3			1								1	4		
Regent's Park Pancras		34927	22	18	4	2			2		3				1	1		2		
Tottenham-court WH		29371	22	20	1	8												12		
Gray's Inn Lane H		27808	22	14	4	4		1	3											
Somers Town		59099	17	20	6	4							1							
Camden Town W		23266	24	24	6	7			1							5	9	12		
Kentish Town		44317	46	32	10	5	1	1	5		1					2	3			
Islington West* WHH		75442	77	51	5	6	10		11				5		1	1	2	16		
Islington East W		79899	79	47	14	14			7		1				1			8		
Stoke Newington		6603	9	3	1				2											
Stamford Hill		5483	2	3	2				1											
West Hackney		24265	14	9		2	1													
Hackney WH		31481	25	29	4	9		1	3								2	9		
South Hackney L		15453	22	13	4				1	3										
CENTRAL DISTRICTS.																				
St. George Bloomsbury		17392	14	7	1	3			1								2			
St. Giles South WH		19483	22	16	4	3									1	1	1	9		
St. Giles North		17201	8	4	1	1							1							
Long Acre		11613	4	4		1											1			
Charing Cross WH		11071	5	2	1	1														
St. Mary-le-Strand		10346	5	5	1															
St. Clement Danes H		15207	7	12	2	1			2		1					1	3	9		
St. George-the-Martyr H		19903	11	10	1	1												4		
St. Andrew East Holborn W		12947	9	17	3	7										1	2	8		
Saffron Hill		12012	2	3	2															
St. James Clerkenwell W		19162	17	8	4	1			2				1				2			
Amwell Clerkenwell		17230	11	7	1	2											1			
Pentonville		13079	9	5	1	2			1											
Goswell-street		16200	18	6	3				1											
Old-street		11504	9	5					1											
City-road HL		17860	15	8	1	3			1								1			
Whitecross-street		14733	13	7	3				1											
Finsbury		12631	9	8	1	2										1	2			
St. Botolph East London		20990	6	7		4			1											
Cripplegate		19697	6	5	1	1														
St. Sepulchre WH		11750	3	6	2													4		
St. Bride W		15395	4	5	3	1														
Castle Baynard		7762	1	1					1											
Christchurch		9020																		
Queenhithe		8570	1	1	1															
Allhallows Barking		8359	2	3					1											
Broad Street		11544	8	2		1														

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

EVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT Saturday, 26th November 1870.

REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include																
					Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.			
EAST DISTRICTS.																					
Collywell Shoreditch	-	-	17313	8	4	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-	
St. Leonard Shoreditch	Lt	-	19188	16	8	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	
Hoxton New Town	W	-	26516	19	20	2	4	2	2	3	-	-	-	-	-	-	-	-	-	-	
Hoxton Old Town	-	-	25777	23	15	5	2	2	1	1	-	-	-	-	-	-	-	-	-	-	
Aggerstone West	W	-	23260	23	10	4	1	1	1	1	-	-	-	-	-	-	-	-	3	-	
Aggerstone East	-	-	17310	12	8	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
Hackney-road	-	-	26298	35	19	5	1	5	-	1	-	1	-	-	-	-	-	-	-	-	
Green, Bethnal Green	WH	Lt	31789	30	29	4	10	-	1	1	-	-	-	-	-	1	-	-	-	10	
Hurch, Bethnal Green	-	-	25523	18	10	2	3	-	-	1	-	-	-	-	-	-	-	-	-	-	
own, Bethnal Green	-	-	21486	17	7	8	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
Hillery Whitechapel	-	-	4557	6	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
Hospitalfields	-	-	15700	14	13	3	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
Tile End New Town	W	-	15392	15	17	4	1	-	-	-	-	-	2	-	1	-	-	1	8	-	
Whitechapel North	-	-	12122	13	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Whitechapel Church	H	-	8062	6	16	-	2	2	-	-	-	-	-	-	-	-	5	-	6	13	
Woodman's Fields	-	-	11166	6	8	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
ldgate	-	-	9971	4	9	4	-	2	-	-	-	-	-	-	-	-	-	1	-	-	
St. Mary St. George East	-	-	18181	14	7	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul St. George East	-	-	21015	19	12	4	1	1	1	-	-	-	-	-	-	1	-	1	-	-	
St. John St. George East	W	-	9695	5	6	2	1	1	-	-	-	-	1	-	1	1	2	3	-	-	
Adwell W	-	-	12537	7	4	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	
Ateliff WH	-	-	16774	9	4	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	
imehouse W	-	-	27161	18	14	6	2	-	-	1	-	1	-	-	-	-	1	3	-	-	
Tile End Old Town West	-	-	33747	24	14	6	1	-	-	1	-	1	-	-	-	-	1	1	-	-	
Tile End Old Town East	W	W	39317	43	29	11	4	5	-	2	-	1	-	-	-	-	3	4	-	6	
ow W & L	-	-	35667	57	44	10	8	-	-	1	-	1	1	1	-	-	5	6	10	-	
oplar W	-	-	43529	35	31	8	3	-	-	1	1	2	-	1	-	-	2	5	-	2	
SOUTH DISTRICTS.																					
Christchurch Southwark	W	-	17069	8	8	1	4	-	-	1	-	-	-	-	-	-	-	-	-	4	-
St. Saviour Southwark	H	-	10101	9	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-
ent-road	-	-	19652	10	12	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
orough-road W	-	-	16668	13	8	2	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-
orough-road L	-	-	19190	13	10	3	1	-	1	1	-	-	-	-	-	-	-	-	-	1	-
Trinity Newington	-	-	22675	21	11	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
St. Peter Walworth	W	-	44463	39	25	9	7	-	-	-	-	-	-	-	1	1	-	2	6	-	
St. Mary Newington	H	-	15082	15	9	-	3	-	-	2	-	-	-	-	-	-	2	2	6	-	
St. Olave Southwark	H	-	7663	3	12	1	2	-	-	-	-	-	-	-	-	-	4	3	11	-	
St. John Horsleydown	W	-	11393	2	5	1	-	-	1	-	-	-	-	-	-	-	1	1	2	-	
leather Market	-	-	16696	14	9	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	
St. Mary Magdalen	W	-	16505	17	8	2	2	-	-	-	1	-	-	-	-	1	1	1	1	-	
St. James Bermondsey	-	-	25154	36	19	6	4	-	-	-	-	3	-	-	-	1	1	1	-	-	
otherhithe W	-	-	24592	13	14	3	1	-	-	-	-	-	-	-	-	-	2	2	2	-	
Waterloo-road 1st	-	-	15269	10	11	1	-	-	1	1	-	1	-	-	-	-	-	-	-	-	
Waterloo-road 2nd	H	-	18640	17	10	3	3	1	-	1	-	-	-	-	1	-	-	1	-	-	
Ambeth Church 1st	-	-	19839	17	17	6	-	1	-	5	-	-	-	-	-	-	-	2	-	-	
Ambeth Church 2nd	W	-	29542	25	27	12	8	-	-	2	-	-	1	1	-	-	-	-	7	-	
ennington 1st	-	-	30785	23	22	6	4	-	1	-	-	2	1	-	-	-	-	2	3	-	
ennington 2nd	-	-	20440	13	11	1	5	-	-	1	-	1	-	-	-	1	-	-	-	-	
rixton	-	-	20067	10	16	4	4	-	-	-	-	1	1	-	1	-	-	-	-	-	
orwood W	-	-	7462	4	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
lapham	-	-	20894	14	12	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	
attersea W	-	-	19500	29	30	7	7	1	-	5	1	-	-	-	-	-	-	-	5	-	
andsworth L	-	-	13846	16	13	4	3	-	-	2	-	-	-	-	-	-	-	4	3	-	
utney	-	-	6481	6	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
reatbam	-	-	10482	12	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
ulwich	-	-	1723	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
amberwell W & L	-	-	21297	17	18	4	8	-	1	2	-	-	-	-	-	-	-	-	9	-	
eckham W	-	-	23135	26	19	6	4	-	-	1	-	-	-	1	-	-	-	-	-	-	
St. George Camberwell	-	-	20332	22	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Deptford	-	-	37834	36	21	5	1	-	-	3	-	-	-	-	-	1	-	2	-	-	
St. Nicholas Deptford	-	-	8139	7	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
Greenwich West	-	-	21696	5	13	3	3	-	-	-	-	-	-	-	-	-	2	5	-	-	
Greenwich East	WH	-	18506	11	25	4	9	-	-	1	1	-	-	-	-	-	3	7	10	-	
atham	-	-	3009	4	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
ee	-	-	11003	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ewisham Village	W	-	7372	3	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
endenham	-	-	10595	12	6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
arlton H	-	-	9276	6	6	2	1	-	-	-	-	-	-	-	-	1	-	1	-	-	
oolwich Dockyard	H	-	22919	11	11	2	-	-	-	1	-	-	-	1	3	-	-	4	-	-	
oolwich Arsenal	H	-	18776	16	10	2	-	-	-	1	-	-	-	-	-	-	-	2	4	-	
umstead West	-	-	21502	14	10	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
umstead East	-	-	21502	11	8	4	-	-	-	1	-	-	-	-	-	-	-	-	3	-	

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and
London City " " Islington East.	" " Bow sub-district.
Do. do. " " Hackney sub-district.	Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 26th NOVEMBER, 1870.

[Under the Superintendence of the Astronomer Royal.]

Under the superintendence of the Astronomer General.

READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.						
MOON.		BARO-METER.		Dry.		Dew Point.		Lowest in a self-regis- tering thermo- meter with bulb in shade.		In the Water of the Thames at Greenwich, by the self-registering Thermometers.		Between Dew Point and Temperature of Air		Between mean tem- perature of the day and mean tem- perature of the day and night		As deduced from Anemometers.		Collected in a Gauge whose surface is above the ground.						
Phases of Moon.	Mean daily reading (cor- rected for refraction and reduced to 32 degs. Fahr. from mean height).	High- est.	Low- est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	High- est.	Low- est.	Mean daily value.	Great- est.	Least.	Mean of 24 Obs.	General Direction.	Osler's.	Robinson's.	Amount of horizontal Movement of Air each day.					
NOVEMBER.																								
SUNDAY	20	in.	29-297	48-2	36-9	11-3	42-5	39-0	80-5	31-2	0	3-5	7-4	0-0	+ 0-9	SW. & W.	2-1	0-0	0-1	0-11				
MONDAY	21	..	29-202	49-7	40-2	9-5	44-0	41-1	51-9	37-5	..	2-9	7-4	0-0	+ 2-6	SSW.	4-4	0-0	0-4	0-11				
TUESDAY	22	Perigee	29-041	52-9	38-8	14-1	45-8	43-4	54-3	33-8	..	2-4	7-2	0-0	+ 4-6	SSW. & S.	30-+	0-0	1-7	0-23				
WEDNESDAY	23	New	29-161	53-0	42-3	10-7	46-7	40-8	89-7	35-0	..	5-9	11-4	1-3	+ 5-6	W. by S. & S.W.	30-+	0-0	1-3	0-23				
THURSDAY	24	..	29-214	58-9	46-3	12-6	52-5	47-1	85-0	37-0	..	5-4	11-6	2-0	+ 11-5	SW.	30-+	0-1	3-2	0-08				
FRIDAY	25	Greatest Dec. S.	29-410	55-3	45-8	9-5	49-5	45-5	82-0	40-7	..	4-0	8-2	0-0	+ 8-6	SW.	4-7	0-0	0-5	0-19				
SATURDAY	26	..	29-740	55-6	38-3	17-3	46-7	45-3	77-4	31-0	..	1-4	8-4	0-0	+ 5-8	S. by W. & S.	0-1	0-0	0-0	0-00				
MEANS		..	29-295	53-4	41-2	12-1	46-8	43-2	74-4	35-2	..	3-6	8-8	0-5	+ 5-7	SW. & SSW.	..	..	..	Sum 0-95	
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections due to James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometer observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1853, December 31.

* In reading the 17th column it will be borne in mind that it is read "higher," and "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital. The reading of the barometer increased from 29-17 in. at the beginning of the week to 29-36 in. by 10h. P.M. on the 20th; decreased to 29-19 in. by noon on the 21st; increased to 29-22 in. by 9h. P.M. on the same day; decreased to 29-37 in. by 3h. P.M. on the 22nd; increased to 29-36 in. by 9h. P.M. on the 23d; decreased to 29-17 in. by 9h. P.M. on the 24th; and was 29-44 in. at the end of the week.

SKY AND ATMOSPHERE.

Rain fell almost continuously from midnight till 7h. A.M. The amount of cloud was very variable throughout the day, and occasional showers of rain fell.

Generally cloudy till night. Cloudless from 9h. P.M. onwards. Several heavy showers of rain fell during the day.

Generally cloudy throughout. Frequent heavy showers of rain fell during the day. Lightning was seen occasionally between 6h. P.M. and midnight, and thunder was heard between 7h. P.M. and 8h. P.M.

A fine day. The amount of cloud was variable. A few drops of rain fell about 9h. 10m. P.M.

Very variable throughout. A heavy gale was prevalent during the day. Rain fell between 3h. P.M. and midnight.

Light clouds were generally prevalent. A very fine day. Occasional showers of rain fell.

A fine day. Thin clouds were prevalent throughout. Foggy at night.

ELECTRICITY.

The electrical apparatus was out of order.

DATE.

NOVEMBER.

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

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5th December 1870.*

DURING the week ending Saturday the 3d instant, 5169 *births* and 3562 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 26 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 24 per 1000; Portsmouth 13, Norwich 28, Bristol 23, Wolverhampton 20, Birmingham 18, Leicester 35, Nottingham 26, Liverpool 41, Manchester 22, Salford 22, Bradford 28, Leeds 30, Sheffield 25, Hull 21, Sunderland 20, and Newcastle-upon-Tyne 19.

In Edinburgh the annual rate of mortality last week was 29 per 1000 persons living, in Glasgow 31 per 1000, and in Dublin 28.

It is now 142 days since the Weekly Returns from Berlin, and 77 days since those from Paris, were discontinued on account of the war. In Vienna the annual rate of mortality during the week ending 26th November was 25 per 1000. In the City of Bombay the deaths registered during the week ending 1st November were 295 (exclusive of still-born), and the mortality was at the annual rate of 19 per 1000.

In LONDON the *births* of 1122 boys and 1056 girls, in all 2178 children, were registered last week. The *deaths* registered in the same time were 1482. During the corresponding weeks of ten previous years the registered births averaged 1973, and the deaths 1519 per week; after making due allowance for increase of population, the average for the past week is estimated at 2170 births and 1671 deaths; the registered births, therefore, were 8 above, and the deaths 189 below, the estimated average.

Zymotic diseases caused 402 deaths, including 60 from small-pox, 33 from measles, 130 from scarlet fever, 11 from diphtheria, 11 from croup, 25 from whooping-cough, 12 from typhus, 21 from enteric (or typhoid) fever, 15 from simple continued fever, 26 from erysipelas, and 12 from diarrhoea.

Of the 60 deaths from small-pox, 11 occurred in the Northern Districts where the Small-pox Hospital is situated, and 35 in the Eastern Districts, leaving 14 for the rest of the Metropolis. In the two sub-districts of Hoxton New and Old Town, out of 36 deaths from all causes, 13 resulted from small-pox; in the sub-district of Mile End Old Town Eastern, 6 out of 21 deaths were caused by the same disease. The fatal cases included 17 infants in their first year of life, 14 aged 1–5 years, 12 aged 5–20 years, and 17 aged 20 and upwards: 7 were returned as vaccinated, 29 as not vaccinated, and 24 as uncertain whether vaccinated or not.

Two fatal accidents caused by horses or vehicles in the streets were returned last week: a cab-driver's son, aged 6 years, was killed on 24th ult., in Warwick-street, Pimlico, "by a street cab falling over upon him accidentally, on the horse running away without the driver, who had left his box to pick up a fallen rug, deceased being on the box with his father;" a carman, aged 22 years, was killed on 25th ult., at Battersea, by a heavy iron girder falling from a van upon him, the van being partially overturned.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 30·215 in.; the highest was 30·45 in. on Thursday, and the lowest was 29·84 in. at the beginning of the week. The mean temperature of the *air* was 38°·9, or 2°·9 below the mean temperature of the corresponding week in 50 years (1814–63)

as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was $46^{\circ}\cdot9$ on Sunday and Tuesday; the lowest night temperature was $29^{\circ}\cdot5$ on Friday; the entire range of temperature in the week was, therefore, $17^{\circ}\cdot4$. The highest temperature in the sun was $63^{\circ}\cdot3$ on Sunday. The mean temperature was above the average on the first three days of the week, below on each of the other days. The difference between the mean *dew-point* temperature and *air* temperature was $3^{\circ}\cdot6$. The mean degree of *humidity* of the air was 87, complete saturation being represented by 100. The general direction of the *wind* was variable; and the horizontal movement of the air amounted to 7·7 miles per hour. *Rain* fell on one day in the week (Thursday) to the amount of 0·01 in.

The total rain-fall at Greenwich during the month of November was 1·2 in., or 1·2 in. below the average of the same month in 54 years. The total rain-fall of the eleven completed months of this year has been $15\frac{1}{2}$ inches, showing a deficiency of 8 in., as compared with the average fall for the corresponding parts of 54 previous years.

The mean temperature of the week in the other large English towns furnishing returns ranged from $38^{\circ}\cdot2$ in Portsmouth, to $40^{\circ}\cdot6$ in Norwich; the lowest recorded night temperature was $25^{\circ}\cdot2$ in Portsmouth, and the highest day temperature in the shade was $55^{\circ}\cdot4$ in Portsmouth. Rain fell in most of the towns, the quantities measured ranging from 0·02 in. at Nottingham and Salford, to 0·59 in. at Hull.

In Centigrade degrees the mean temperature of the air last week at Greenwich was $3^{\circ}\cdot8$; the highest day temperature in the shade was $8^{\circ}\cdot3$; the lowest night temperature was $1^{\circ}\cdot4$ below the freezing point of water; the highest temperature in the sun was $17^{\circ}\cdot4$. The mean temperature of the week on an average of 50 years was $5^{\circ}\cdot4$, or $1^{\circ}\cdot6$ above the temperature of last week. The wind blew at the rate of 12 kilometers an hour, and the rain-fall was 0·03 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 192,318 cubic metres, equivalent to about as many tons by weight. The return for Barking was not received in time for publication.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of OCTOBER 1870: thus, according to their account, 104,073,197 gallons or 472,852 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 98 decalitres, rather less than a *ton* by weight, to each house, and 13·8 decalitres (= $30\cdot4$ gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, 82 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of October 1870, it may be estimated that about 85,531,858 gallons were probably used for domestic purposes, or about 25 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for do- mestic consumption) during the Month of	
	SEPTEMBER 1870.	OCTOBER 1870.	SEPTEMBER 1870.	OCTOBER 1870.
TOTAL SUPPLY	481,660	482,565	106,322,943	104,073,197
From Thames	222,101	222,710	54,865,094	54,135,715
From Lea and from other Sources	259,559	259,855	51,457,849	49,937,482
THAMES.				
Chelsea	27,486	27,670	8,283,300	8,116,400
West Middlesex	41,154	41,361	9,113,040	8,723,137
Southwark and Vauxhall	77,213	77,251	15,599,834	16,012,537
Grand Junction	30,929	30,929	10,855,120	11,010,841
Lambeth	45,319	45,499	11,013,800	10,272,800
LEA AND OTHER SOURCES.				
New River	118,085	118,259	24,141,000	22,952,000
East London	101,817	101,817	19,772,769	19,743,488
Kent	39,657	39,779	7,544,680	7,341,984

Note.—The Return for October as compared with that for September shows an increase of 905 houses, and a decrease of 2,249,749 gallons of water supplied daily.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTY-EIGHTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1696	1791	1834	1938	1963	2071	2128	2017	2152	2141	1973·1	2178
Males . .	870	880	971	1011	1016	1058	1085	1015	1117	1125	1014·8	1122
Females .	826	911	863	927	917	1013	1043	1002	1035	1016	958·3	1056
TOTAL Deaths	1275	1424	1745	1442	1624	1368	1459	1538	1561	1705	1519·1	1482
Males	638	721	858	747	826	707	714	826	749	850	763·6	743
Females	637	703	887	695	798	661	745	762	812	855	755·5	739

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Sept. 10.	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.	Nov. 5.	Nov. 12.	Nov. 19.	Nov. 26.	Dec. 3.
TOTAL Deaths - - -	1322	1197	1212	1277	1279	1416	1334	1266	1343	1468	1639	1652	1482
Deaths under 5 years of age -	564	504	488	495	526	579	573	537	568	644	674	712	629
Deaths 5—20 - - -	150	139	123	163	150	169	141	123	141	136	150	131	126
Deaths 20—40 - - -	213	168	174	173	197	198	189	159	203	195	219	212	198
Deaths 40—60 - - -	189	179	207	182	203	233	198	225	198	236	276	244	222
Deaths 60—80 - - -	167	168	169	217	166	194	206	179	190	220	265	293	255
Deaths at 80 years & upwards	39	39	51	47	37	43	33	43	43	37	55	60	52
Deaths from Smallpox - -	12	11	15	13	27	13	17	21	23	40	45	41	60
" Measles - - -	16	8	8	14	11	19	20	13	27	19	36	21	33
" Scarlet Fever -	165	157	167	171	192	198	192	167	174	150	162	122	130
" Diphtheria - -	6	8	7	10	9	11	8	9	7	4	10	5	11
" Whooping-cough -	15	14	13	13	16	20	24	17	10	20	23	26	25
" Typhus fever - -	6	5	11	14	12	17	12	6	10	13	12	6	12
" Enteric (or Typhoid) fever -	18	21	22	22	23	22	26	24	20	19	22	23	21
" Simple Cont ^d fever -	16	19	12	10	19	8	3	7	15	8	13	10	15
" Diarrhoea - - -	130	73	46	37	35	38	25	29	16	13	18	13	12
" Simple Cholera -	3	3	4	1	1	2	1	2	2	—	—	—	—
" Pthisis - - -	163	155	151	136	146	165	153	136	148	154	176	165	144
" Bronchitis - - -	55	63	83	70	82	107	124	117	120	196	216	257	222
" Pneumonia - - -	37	42	41	56	51	70	72	78	81	95	107	116	89
" Heart Disease - -	44	55	49	60	66	58	66	70	61	75	81	75	79
Mean Temperature of the Air	57·0	54·0	54·5	55·7	54·1	47·1	49·7	48·2	44·1	39·1	37·6	46·8	38·9
Mean Temperature of the Water of the Thames -	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - - -	82	82	85	83	86	79	86	88	90	90	90	87	87
Rain-fall in inches - - -	1·33	0·21	0·00	0·00	0·20	0·14	1·38	1·16	0·47	0·04	0·18	0·95	0·01

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna is good enough to supply the returns for that city.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Bilson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 3d day of December 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 3d Dec.	DEATHS registered during the Week ending 3d Dec.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metres.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	5169	3562	55·4	25·0	39·4	4·11	0·07	0·18
LONDON - - -	77,997	3,214,707	41·2	2178	1482	46·9	29·5	38·9	3·83	0·01	0·03
PORTSMOUTH - -	9,513	122,084	12·8	79	31	55·4	25·2	38·2	3·44	0·00	0·00
NORWICH - - -	7,472	81,087	10·9	44	43	47·5	33·5	40·6	4·77	0·09	0·23
BRISTOL - - -	4,688	171,882	36·6	108	93	—	—	—	—	—	—
WOLVERHAMPTON -	3,387	72,990	21·5	53	28	46·8	28·8	39·7	4·28	0·09	0·23
BIRMINGHAM - -	7,831	369,604	47·2	245	128	47·2	30·8	39·9	4·39	0·05	0·13
LEICESTER - - -	3,200	97,427	30·4	71	66	47·5	31·0	39·5	4·17	0·05	0·13
NOTTINGHAM - -	1,996	88,888	44·5	40	45	45·7	28·0	39·9	4·39	0·02	0·05
LIVERPOOL - - -	5,108	517,567	101·3	408	410	46·0	34·0	40·0	4·44	0·04	0·10
MANCHESTER - -	4,486	374,993	83·6	288	156	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	100	52	48·4	32·0	40·0	4·44	0·02	0·05
BRADFORD - - -	6,590	143,197	21·7	118	76	46·0	34·1	39·8	4·33	0·00	0·00
LEEDS - - -	21,572	259,527	12·0	280	149	45·0	34·0	39·4	4·11	0·04	0·10
SHEFFIELD - - -	22,830	247,378	10·8	193	118	45·5	33·1	39·4	4·11	0·14	0·35
HULL - - -	3,562	130,869	36·7	110	53	46·0	29·0	38·9	3·83	0·59	1·50
SUNDERLAND - -	3,306	100,979	30·5	62	39	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	122	48	46·0	32·0	38·3	3·50	0·00	0·00
EDINBURGH - - -	4,427	178,970	40·4	118	99	41·7	31·0	37·2	2·89	0·10	0·25
GLASGOW - - -	5,063	468,189	92·5	367	275	44·7	25·0	37·6	3·11	0·00	0·00
DUBLIN - - -	9,745	321,540	33·0	182	171	54·2	34·5	43·1	6·17	0·00	0·00
PARIS - - -	19,279	1,889,842	98	—	—	—	—	—	—	—	—
				Week ending 26 Nov. 1870.	Week ending 26 Nov. 1870.	Week ending 26th November 1870.					
VIENNA - - -	9,212*	622,087	68	—	297	—	—	49·7	9·25	—	—
				Week ending 1 Dec. 1870.	Week ending 1 Dec. 1870.	Week ending 1st December 1870.					
BERLIN - - -	15,451	800,000	52	—	—	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE of MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 3d day of December 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public institutions.
Total of 17 TOWNS -	25	3017	744	571	85	63	264	19	54	141	32	80	148	390
LONDON - - -	24	1482	344	307	60	33	130	11	25	48	12	31	64	210
PORTSMOUTH - -	13	31	15	4	-	-	-	-	-	-	-	1	1	2
NORWICH - - -	28	43	12	8	-	1	5	-	-	-	1	2	3	8
BRISTOL - - -	28	93	19	25	-	-	13	-	-	6	2	4	5	10
WOLVERHAMPTON -	20	28	6	4	-	2	2	-	-	-	-	-	-	2
BIRMINGHAM - -	18	128	33	26	-	1	6	1	2	6	1	3	13	8
LEICESTER - - -	35	66	16	8	-	3	20	1	-	-	2	-	1	4
NOTTINGHAM - -	26	45	10	9	-	-	6	-	-	3	-	1	4	6
LIVERPOOL - - -	41	410	111	64	19	9	43	1	15	40	7	20	23	59
MANCHESTER - -	22	156	37	31	3	5	9	1	1	10	2	7	12	28
SALFORD - - -	22	52	15	5	1	-	2	-	1	1	-	2	2	7
BRADFORD - - -	28	76	20	12	1	2	6	2	-	7	-	-	2	6
LEEDS - - -	30	149	36	20	1	7	5	1	5	7	1	3	6	8
SHEFFIELD - - -	25	118	35	15	-	-	9	1	1	7	2	2	3	14
HULL - - -	21	53	14	18	-	-	5	-	1	4	-	-	-	7
SUNDERLAND - -	20	39	10	9	-	-	3	-	2	-	1	2	3	5
NEWCASTLE-ON-TYNE	19	48	11	6	-	-	-	-	1	2	1	2	6	6
DUBLIN - - -	28	171	23	44	-	-	14	-	8	5	4	4	2	44

TABLE 5.—DEATHS in LONDON Registered in the FORTY-EIGHTH Week of the Year 1870.

CAUSES OF DEATH.		Averages of the Forty eighth Week in the 10 years 1860-69.	In the Week ending Saturday, December 3, 1870.							CAUSES OF DEATH.		Averages of the Forty eighth Week in the 10 years 1860-69.	In the Week ending Saturday, December 3, 1870.						
			Deaths of Persons of the Ages										Deaths of Persons of the Ages						
			ALL AGES.	Under 20.		40. and under 60.	60. and under 80.	80 Years and upwards.	ALL AGES.				Under 20.		40. and under 60.	60. and under 80.	80 Years and upwards.		
				Mean Tem.	0-5. 5-20.								Mean Tem.	0-5. 5-20.					
Mean Temperature		41.1	38.9	0-5. 5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature		41.1	38.9	0-5. 5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES		1519.1	1482	629	126	198	222	255	52	9. Stricture of Intestines		1.4	-	-	-	-	-		
SPECIFIED CAUSES		1511.4	1479	629	126	197	221	254	52	10. Fistula		.9	-	-	-	-	-		
ZYMOTIC DISEASES.										11. Stomach Disease, &c.		6.0	-	-	-	-	-		
ORDER 1.										12. Pancreas Disease, &c.		3.8	2	-	9	-	-		
Small-pox		11.7	60	31	12	11	6	-	-	13. Hepatitis		3.3	3	-	-	-	1		
Measles		44.8	33	31	2	-	-	-	-	14. Jaundice		3.3	2	-	-	-	-		
Scarlet Fever (Scarlatina)		93.8	130	88	33	1	-	-	-	15. Liver Disease, &c.		16.2	14	-	25	5	7		
Diphtheria		11.7	11	6	3	1	-	-	-	16. Spleen Disease, &c.		.3	-	-	-	-	-		
Quinsy		2.1	11	10	1	-	-	-	-	ORDER 5.									
Croup		16.2	25	24	1	-	-	-	-	1. Nephritis		1.2	1	-	-	1	-		
Whooping-cough		42.0	22	24	1	-	-	-	-	2. Ischuria		.6	-	-	-	-	-		
Typhus		60.3	12	2	2	3	3	2	-	3. Bright's Disease (Nephria)		8.7	8	-	3	1	4		
Enteric or Typhoid Fever		60.3	25	2	2	3	3	2	-	4. Diabetes		2.2	1	-	1	-	-		
Simple continued Fever		60.3	15	4	4	3	2	1	1	5. Calculus (Stone)		.7	-	-	-	-	-		
Erysipelas		9.5	26	12	1	2	4	5	2	6. Cystitis		1.0	4	-	-	3	1		
Puerperal Fever (Metria)		6.8	10	-	-	9	1	-	-	7. Kidney Disease, &c.		7.6	6	-	1	3	2		
Carbuncle		1.3	-	-	-	-	-	-	-	ORDER 6.									
Influenza		1.5	1	-	-	-	-	1	-	1. Ovarian Dropsy		.7	-	-	-	-	-		
Dysentery		2.1	-	-	-	-	-	-	-	2. Uterus Disease, &c.		3.6	4	-	2	2	-		
Diarrhea		18.0	12	9	-	-	-	2	1	ORDER 7.									
Simple Cholera		.9	-	-	-	-	-	-	-	1. Synovitis (Arthritis)		.2	1	-	1	-	-		
Ague		.4	-	-	-	-	-	-	-	2. Joint Disease, &c.		4.9	5	-	2	1	-		
Remittent Fever		1.9	-	-	-	-	-	-	-	ORDER 8.									
Rheumatism		9.5	9	-	4	4	1	-	-	1. Phlegmon		1.7	3	1	1	-	-		
Other Zymotic Diseases		.3	1	1	-	-	-	-	-	2. Ulcer		1.6	-	-	-	-	-		
ORDER 2.										3. Skin Disease, &c.		2.2	1	1	-	-	-		
Syphilis		8.3	12	11	-	-	1	-	-	IV. DEVELOPMENTAL DISEASES.									
Stricture of Urethra		1.4	3	-	-	1	1	-	1	ORDER 1.									
Hydrophobia		.1	-	-	-	-	-	-	-	1. Premature Birth		20.8	21	21	-	-	-		
Glanders		-	-	-	-	-	-	-	-	2. Cyanosis		2.1	-	-	-	-	-		
ORDER 3.										3. Spina Bifida		.3	-	-	-	-	-		
Privation		.9	-	-	-	-	-	-	-	4. Other Malformations		1.8	1	1	-	-	-		
Want of Breast-milk		6.5	8	8	-	-	-	-	-	5. Teething		15.4	14	14	-	-	-		
Purpura and Scurvy		1.1	-	-	-	-	-	-	-	ORDER 2.									
Alcohol & Del. Tremens		1.9	-	-	-	-	-	-	-	1. Paramenia		.3	-	-	-	-	-		
Jaundice & Intemperance		2.3	-	-	-	-	-	-	-	2. Childbirth (see Puerperal Fever)		7.1	8	-	1	6	1		
ORDER 4.										ORDER 3.									
Thrush		2.3	2	2	-	-	-	-	-	1. Old Age		55.5	44	-	-	-	24	20	
Worms, &c.		.1	-	-	-	-	-	-	-	ORDER 4.									
CONSTITUTIONAL DIS.										1. Atrophy and Debility		58.7	49	43	2	-	2	-	
ORDER 1.										V. VIOLENT DEATHS, &c.									
Gout		1.8	1	-	-	1	-	-	-	ORDER 1.									
Dropsy		13.0	3	1	-	-	1	-	-	(ACCIDENT OR NEGLIGENCE.)									
Cancer		25.2	42	-	-	5	21	15	1	1. Fractures and Contusions		15.9	8	-	2	2	3	1	
Carcinoma Oris (Noma)		.9	-	-	-	-	-	-	-	2. Wounds		1.1	-	-	-	-	-	1	
Mortification		3.6	6	-	-	1	-	3	2	3. Burns and Scalds		8.5	1	-	-	-	-	-	
ORDER 2.										4. Poison		2.1	1	1	-	-	-	-	
Scrofula		8.3	2	-	1	-	1	-	-	5. Drowning		5.0	4	-	1	1	2	-	
Tuberc Mesenterica		17.7	16	13	3	-	-	-	-	6. Suffocation		12.4	8	8	-	-	-	-	
Phthisis		165.5	144	7	14	64	50	9	-	7. Otherwise		2.2	1	1	-	-	-	-	
Hydrocephalus		26.3	28	25	3	-	-	-	-	ORDER 3.									
LOCAL DISEASES.										(HOMICIDE.)									
ORDER 1.										1. Murder and Manslaughter		2.0	4	3	-	-	1	-	
Cephalitis		11.0	18	10	3	3	2	-	-	ORDER 4.									
Apoplexy		35.8	39	1	1	4	11	21	1	(SUICIDE.)									
Paralysis		28.7	24	-	-	-	4	17	3	1. Wounds { Gunshot Cut, Stab		.3	-	-	-	-	-	-	
Insanity		1.5	-	-	-	1	-	-	-	2. Poison		1.2	-	-	-	-	-	-	
Chorea		.2	-	-	-	-	-	-	-	3. Drowning		.8	-	-	-	-	-	-	
Epilepsy		5.8	1	-	-	-	-	1	-	4. Hanging		.6	-	-	1	-	-	-	
Convulsions		49.7	47	47	-	-	-	-	-	5. Otherwise		.3	-	-	-	-	-	-	
Brain Disease, &c.		18.1	20	3	3	3	6	5	-	ORDER 5.									
ORDER 2.										(EXECUTION.)									
Pericarditis		2.0	2	-	1	-	1	-	-	1. Hanging		-	-	-	-	-	-	-	
Aneurism		2.5	4	-	-	1	2	1	-	Violent Deaths (not classed)		.1	2	1	-	-	-	1	
Heart Disease, &c.		64.6	79	1	7	17	15	34	5	Sudden Deaths (Cause un- ascertained)		2.6	1	-	-	1	-	-	
ORDER 3.										Causes not specified or ill- defined		5.1	2	-	-	-	1	1	
Laryngitis		7.1	10	9	-	-	-	-	-										
Bronchitis		215.7	222	97	3	6	36	68	12										
Pleurisy		2.9	1	-	-	-	-	-	-										
Pneumonia		112.1	89	59	5	8	9	-	-										
Asthma		15.9	12	-	-	-	5	7	-										
Lung Disease, &c.		13.6	19	9	1	4	2	3	-										
ORDER 4.																			
Gastritis		1.2	1	-	-	-	-	1	-										
Enteritis		4.6	4	8	-	1	-	-	-										
Peritonitis		4.4	3	-	2	1	-	-	-										
Ascites		2.6	3	1	-	-	2	-	-										
Ulceration of Intestines		2.4	4	2	-	1	1	-	-										
Hæmorrhage		3.5	4	-	-	-	2	2	-										
Hæmorrhage		3.0	6	-	-	2	-	4	-										
Intussusception		.3	1	-	-	1	-	-	-										

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include															
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.		
LONDON	2,303,989	2178	1482	344	307	60	33	130	11	25	12	21	15	12	31	64	21		
WEST DISTRICTS	458,125	328	275	65	57	3	10	24	1	6	2	2	1	3	5	10	3		
NORTH DISTRICTS	618,210	490	329	65	89	11	3	31	4	4	3	6	4	1	4	22	5		
CENTRAL DISTRICTS	383,321	200	141	23	31	3	1	11	1	2	2	4	1	-	3	6	2		
EAST DISTRICTS	571,158	505	289	77	43	35	6	11	-	7	3	3	2	4	8	14	4		
SOUTH DISTRICTS	773,175	655	448	114	87	8	13	53	5	6	2	6	7	4	11	12	4		
WEST DISTRICTS.																			
St. Mary Paddington WH	39015	39	32	5	7	-	-	5	-	1	-	-	-	1	-	-	-		
St. John Paddington H	36769	11	9	3	2	-	-	1	-	-	-	-	-	-	-	-	-		
Kensington Town W	51910	51	31	8	7	-	-	5	-	-	-	1	1	2	-	1	-		
Brompton H	18198	8	10	1	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. Peter Hammersmith	5415	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. Paul Hammersmith H	19104	25	21	5	3	-	5	-	1	-	-	-	-	-	-	3	-		
Fulham W	15539	18	14	5	2	-	-	-	-	-	-	-	-	-	-	-	-		
Chelsea South H	21654	18	16	5	6	-	-	-	-	-	1	-	-	-	1	-	-		
Chelsea North-west HW	19899	20	11	3	3	-	-	1	-	-	-	-	-	-	-	-	-		
Chelsea North-east	21886	18	10	3	2	-	-	-	-	1	-	-	-	-	-	-	-		
Hanover Square	19773	7	4	1	1	-	-	-	-	-	-	-	-	-	-	1	-		
May Fair W	12885	7	11	-	5	-	-	-	-	-	-	-	-	-	-	-	-		
Belgrave H	55113	31	33	8	3	-	1	3	-	3	-	1	-	-	4	4	0		
St. John Westminster H	37483	30	21	5	2	1	-	4	-	-	-	-	-	-	-	-	-		
St. Margaret Westminster WH	30730	18	17	5	5	2	1	1	-	-	1	-	-	-	-	-	-		
St. James's Square	10753	2	6	1	-	-	2	-	-	-	-	-	-	-	-	-	-		
Golden Square W	13966	3	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-		
Berwick-street	10607	6	7	4	1	-	1	-	-	1	-	-	-	-	-	-	-		
St. Anne Soho	17423	18	8	2	-	-	-	2	-	-	-	-	-	-	-	-	-		
NORTH DISTRICTS.																			
All Souls Marylebone H	29932	10	10	2	2	-	-	-	-	-	-	-	-	1	-	1	-		
Cavendish Square	15090	7	7	2	2	-	-	-	-	-	1	-	-	-	-	1	-		
Rectory Marylebone W	26932	20	16	-	13	-	-	-	1	-	-	-	-	-	-	-	-		
St. Mary Marylebone H	22493	10	7	1	2	-	-	-	-	-	-	1	1	-	-	-	-		
Christchurch Marylebone	34913	23	7	1	-	-	-	1	-	-	-	-	-	-	-	-	-		
St. John Marylebone	32540	16	12	5	2	-	-	-	-	-	-	-	-	-	-	-	-		
Hampstead WH	19106	12	8	1	4	-	-	-	-	-	-	-	-	-	-	-	-		
Regent's Park Paneras	34927	25	19	4	6	-	-	1	-	-	-	1	1	-	1	3	-		
Tottenham-court WH	23371	13	10	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
Gray's Inn Lane H	27808	19	21	5	7	1	-	-	-	-	-	-	-	-	2	4	-		
Somers Town	39099	26	13	4	4	-	-	-	-	-	-	-	-	-	-	-	-		
Camden Town W	23266	18	13	3	6	-	-	-	-	-	-	-	-	-	-	-	-		
Kentish Town	44317	53	27	4	8	-	-	2	-	1	-	-	-	-	-	1	-		
Islington West* WHH	75442	83	55	6	9	7	-	10	1	-	2	2	1	-	-	-	2		
Islington East WH	79899	71	48	11	10	-	-	6	2	-	-	2	1	-	1	7	-		
Stoke Newington	6698	5	5	1	1	-	-	-	-	1	-	-	-	-	-	-	-		
Stamford Hill	5483	5	3	-	2	-	-	-	-	3	-	-	-	-	-	-	-		
West Hackney	24285	15	10	2	2	1	1	-	-	-	1	-	-	-	-	1	-		
Hackney WH	31481	25	23	5	6	2	1	4	-	1	-	-	-	-	-	-	-		
South Hackney L	15453	34	15	4	3	-	1	5	-	-	-	-	-	-	-	-	-		
CENTRAL DISTRICTS.																			
St. George Bloomsbury	17392	8	7	1	2	-	-	1	-	-	-	-	-	-	-	-	-		
St. Giles South WH	19483	11	9	-	3	-	-	2	-	-	-	1	-	-	-	-	-		
St. Giles North	17201	9	7	1	1	-	-	-	2	-	-	-	-	-	-	-	-		
Long Acre	11618	11	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
Charing Cross WH	11071	5	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-		
St. Mary-le-Strand	10346	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clement Danes H	15207	5	9	3	2	1	-	-	-	1	-	-	-	-	-	-	-		
St. George-the-Martyr H	19903	12	7	1	2	-	-	1	-	-	-	-	-	-	-	1	-		
St. Andrew East Holborn W	13947	9	11	1	1	-	1	-	1	-	-	-	-	-	1	1	-		
Saffron Hill	12012	3	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. James Clerkenwell W	19132	11	5	-	1	-	-	2	-	-	-	-	-	-	-	-	-		
Amwell Clerkenwell	17250	9	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
Pentonville	13079	8	6	4	-	-	-	1	-	-	-	1	-	-	-	1	-		
Goswell-street	16200	11	9	2	2	-	-	-	-	-	-	-	-	-	-	-	-		
Old-street	11594	13	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
City-road HL	17860	19	6	1	1	1	-	-	-	-	-	1	-	-	-	-	-		
Whitecross-street	14778	7	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
Finsbury	12931	8	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
St. Botolph East London	20990	5	6	1	1	-	-	-	-	-	-	-	-	-	-	-	-		
Cripplegate	19697	3	8	1	2	1	-	-	-	1	-	1	-	-	1	1	-		
St. Sepulchre WH	11750	3	7	-	2	1	-	-	-	-	-	-	-	-	-	-	-		
St. Bride W	15385	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Castle Baynard	7732	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-		
Christchurch	9020	7	4	-	1	-	-	1	-	1	-	-	-	-	-	1	-		
Queenhithe	8570	2	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
Allhallows Barking	8659	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Broad Street	11544	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.		Holborn Workhouse is in Hoxton New Town sub-district.	
The Strand	" " " Tottenham-court sub-district.	London City	" " { Mile End Old Town Eastern sub-dist. and
London City	" " " Islington East.		" " { Bow sub-district.
Do. do.	" " " Hackney sub-district.	Stepney	" " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 3d DECEMBER, 1870.

[Under the Superintendence of the Astronomer Royal.]

MOON.		BAROMETER.		READINGS OF THERMOMETERS.						DIFFERENCE				WIND.				RAIN.							
Phases of Moon.		Mean (geocentric) and reduced to mean Moon.	Mean (geocentric) and reduced to mean Moon.	Dry.		Wet.		In the Water of the Thames at Greenwich, by self-registering Thermometers		Lowest in the shade, as self-registering thermometer.		Highest in the sun, as self-registering thermometer.		Between Dew Point Temperature and Air Temperature.		Between mean temperature of the day and the temperature of the same day on an average of 30 years.*		Degree of humidity, complete saturation, by 100.		As deduced from Anemometers.		Amount of rain, in inches, above the ground.		Collected in a gauge whose recording is 5 in. above the ground.	
				High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.

WEEKLY RETURN OF BIRTHS AND DEATHS IN LONDON AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 49. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, DECEMBER 10. [Price 1d.

*General Register Office, Somerset House,
12th December 1870.*

DURING the week ending Saturday the 10th instant, 4477 *births* and 3676 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 27 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 26 per 1000; Portsmouth 20, Norwich 32, Bristol 34, Wolverhampton 16, Birmingham 23, Leicester 36, Nottingham 20, Liverpool 40, Manchester 23, Salford 21, Bradford 32, Leeds 27, Sheffield 21, Hull 22, Sunderland 21, and Newcastle-upon-Tyne 20. Small-pox has caused altogether 312 deaths in the Seventeen Towns during the last five weeks; of these deaths, 247 occurred in London, 53 in Liverpool, and 5 in Manchester, leaving 7 for the remaining fourteen towns. Last week the only fatal cases returned were in London and Liverpool, and relatively to the population the disease was much more fatal in the latter than in the former city.

In Edinburgh the annual rate of mortality last week was 25 per 1000 persons living, in Glasgow 31 per 1000, and in Dublin 24.

It is now 149 days since the Weekly Returns from Berlin, and 84 days since those from Paris, were discontinued on account of the War. In Vienna the annual rate of mortality during the week ending 3d instant was 27 per 1000. In the City of Bombay the deaths registered during the two weeks ending 8th and 15th November were respectively 302 and 266 (exclusive of still-born), and the mortality was at the annual rate of 19 and 17 per 1000. In the City of New York the deaths in the week ending 5th November were 422, and in the week ending 12th November they were also 422, the equivalent annual rate of mortality being 24 per 1000.

In LONDON the *births* of 975 boys and 947 girls, in all 1922 children, were registered last week. The *deaths* registered in the same time were 1586. During the corresponding weeks of ten previous years the registered births averaged 1958, and the deaths 1509 per week; after making due allowance for increase of population, the average for the past week is estimated at 2154 births and 1660 deaths; the registered births, therefore, were 232, and the deaths 74, below the estimated average.

Zymotic diseases caused 379 deaths, including 61 from small-pox, 27 from measles, 116 from scarlet fever, 7 from diphtheria, 17 from croup, 32 from whooping-cough, 12 from typhus, 26 from enteric (or typhoid) fever, 16 from simple continued fever, 15 from erysipelas, and 13 from diarrhœa. One death was registered “found dead; choleraic diarrhœa.” (*Post mort. Inquest.*)

The fatality of small-pox was last week more than maintained at the high rate attained in the week preceding; and, as has been the case for many weeks past, more than half the deaths occurred in the Eastern Districts. One hundred and forty fatal cases, out of 247 occurring in all London within the last five weeks, have been returned from the Eastern Districts; in other words, one-fifth of the whole population has yielded more than one-half of the fatal cases. Shoreditch, Whitechapel, Bethnal Green, and Mile End Old Town have suffered most from the disease; Shoreditch alone having returned 17 out of the 35 and 16 out of the 34 fatal cases occurring in the Eastern Districts during the last two weeks.

In the three sub-districts of Hoxton New Town, Hoxton Old Town, and Haggerstone West, small-pox caused 15 deaths out of 63 from all causes.

In the Hampstead District the temporary hospital in Gospel Oak Fields is now used for small-pox cases, and six deaths were returned from that institution last week.

In reference to a death from small-pox at Norwood, the Registrar writes:— "This is the second death from this disease within the last three weeks, both cases unvaccinated. From what I can learn the disease was brought here from abroad by a gentleman who died in the adjoining district. The medical officer tells me he has great difficulty in getting parents to bring their children to be vaccinated."

Sixty-five deaths resulted from violence: of these 57 were accidental, including 16 by fractures, 15 by burns or scalds, 2 by drowning, and 17 by suffocation. A butcher's son, aged 4 years, died on 26th ult., of "irritation of brain from drinking brandy." Six suicides were registered.

Five fatal accidents caused by horses or vehicles in the streets were returned last week: a draper, aged 50 years, died on 23d ult., at Marylebone Workhouse, of erysipelas after scalp wound caused by fall from top of an omnibus; a college servant (male), aged 34 years, was killed on 3d instant, in Guildford-street, by falling under the wheels of a van; a man, aged 63 years, was killed on 7th instant, by a van in the Minories, when attempting to cross the street; a female, aged 21 years, died on 6th instant, of injuries caused by accidentally falling out of a cart; a wood-sawyer, aged 42 years, was run over and killed on 6th instant, by a van, in East-street, Finsbury.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29.770 in.; the highest was 30.26 in. on Sunday evening, and the lowest was 29.52 in. on Thursday morning. The mean temperature of the *air* was 32°.5, or 9°.2 below the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 40°.8 on Sunday; the lowest night temperature was 25°.3 on Monday; the entire range of temperature in the week was, therefore, 15°.5. The highest temperature in the sun was 78°.8 on Sunday. The mean temperature was below the average on every day of the week, the greatest defect being 11°.9 on Monday, and 12°.3 on Thursday. The difference between the mean *dew-point* temperature and *air* temperature was 3°.0. The mean degree of *humidity* of the air was 89, complete saturation being represented by 100. The general direction of the *wind* was variable, and the horizontal movement of the air amounted to 7.7 miles per hour. *Rain* or snow fell on every day of the week, and the amount collected was 0.84 in.

The mean temperature of the week in the other large English towns furnishing returns ranged from 32°.3 in Portsmouth, to 37°.9 in Leeds; the lowest recorded night temperature was 20°.4 in Nottingham, and the highest day temperature in the shade was 46°.0 in Bradford and Hull. Rain fell in all the towns, the quantities measured ranging from 0.35 in. at Portsmouth, to 0.83 in. at Leicester, 1.11 in. at Sheffield, 1.46 in. at Norwich, and 1.82 in. at Newcastle-upon-Tyne.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 0°.3; the highest day temperature in the shade was 4°.9; the lowest night temperature was 3°.7 below the freezing point of water; the highest temperature in the sun was 26°.0. The mean temperature of the week on an average of 50 years was 5°.4, or 5°.1 above the temperature of last week. The wind blew at the rate of 12.3 kilometers an hour, and the rain-fall was 2.13 centimeters.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 222,789 cubic metres, and at Barking 205,292 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FORTY-NINTH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1814	1656	1829	1795	1961	2162	1970	1959	2171	2267	1956·4	1922
Males . .	923	837	914	941	1020	1074	983	1008	1136	1136	997·2	975
Females .	891	819	915	854	941	1088	987	951	1035	1131	961·2	947
TOTAL Deaths	1240	1300	1619	1376	1522	1433	1584	1588	1672	1759	1509·3	1586
Males . .	597	666	802	724	760	700	795	786	826	954	761·0	755
Females .	643	634	817	652	762	733	789	802	846	805	748·3	831

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860–69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Sept. 17.	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.	Nov. 5.	Nov. 12.	Nov. 19.	Nov. 26.	Dec. 3.	Dec. 10.
TOTAL Deaths - - -	1197	1212	1277	1279	1416	1334	1266	1343	1468	1639	1652	1482	1586
Deaths under 5 years of age -	504	488	495	526	579	573	537	568	644	674	712	629	647
Deaths 5–20 - - -	139	123	163	150	169	141	123	141	136	150	131	126	159
Deaths 20–40 - - -	168	174	173	197	198	183	159	203	195	219	212	193	219
Deaths 40–60 - - -	179	207	182	203	233	198	225	198	236	276	244	222	239
Deaths 60–80 - - -	168	169	217	166	194	206	179	190	220	265	293	255	280
Deaths at 80 years & upwards	39	51	47	37	43	33	43	43	37	55	60	52	42
Deaths from Small-pox -	11	15	13	27	13	17	21	23	40	45	41	60	61
" " Measles - - -	8	8	14	11	19	20	13	27	19	36	24	33	27
" " Scarlet Fever -	157	167	171	192	198	192	167	174	150	162	122	130	116
" " Diphtheria - -	8	7	10	9	11	8	9	7	4	10	5	11	7
" " Whooping-cough	14	13	13	16	20	24	17	10	20	28	26	25	32
" " Typhus fever -	5	11	14	12	17	12	6	10	13	12	6	12	12
" " Enteric (or Ty- phoid) fever - }	21	22	22	23	22	26	24	20	19	22	28	21	26
" " Simple Contagious fever	19	12	10	19	8	3	7	15	8	13	10	15	16
" " Diarrhoea - -	73	46	37	35	38	25	29	16	13	18	18	12	13
" " Simple Cholera -	3	4	1	1	2	1	1	2	—	—	—	—	1
" " Phthisis - -	155	151	136	146	165	153	136	148	154	176	165	144	167
" " Bronchitis - -	63	83	70	82	107	124	117	120	196	216	257	222	244
" " Pneumonia - -	42	41	56	51	70	72	78	81	95	107	116	89	101
" " Heart Disease -	55	49	60	66	58	66	70	61	75	81	75	79	71
Mean Temperature of the Air	54·0	54·5	55·7	54·1	47·1	49·7	48·2	44·1	39·1	37·6	46·8	38·9	32·5
Mean Temperature of the Water of the Thames - }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	82	85	83	86	79	86	88	90	90	90	87	87	89
Rain-fall in inches - -	0·21	0·00	0·00	0·20	0·14	1·38	1·16	0·47	0·04	0·18	0·95	0·01	0·84

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna is good enough to supply the returns for that city.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 10th day of December 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 10th Dec.	DEATHS registered during the Week ending 10th Dec.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERATURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.		Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM	213,281	7,216,325	33·8	4477	3676	46·0	20·4	34·9	1·61	0·84	2·13
LONDON - - -	77,997	3,214,707	41·2	1922	1586	40·8	25·3	32·5	0·28	0·84	2·13
PORTSMOUTH - -	9,513	122,084	12·8	62	47	41·8	23·6	32·3	0·17	0·35	0·88
NORWICH - - -	7,472	81,087	10·9	49	50	39·0	27·7	33·4	0·78	1·46	3·73
BRISTOL - - -	4,688	171,382	36·6	128	112	—	—	—	—	—	—
WOLVERHAMPTON -	3,387	72,990	21·5	54	22	41·3	21·7	32·8	0·45	0·36	0·91
BIRMINGHAM - -	7,831	369,604	47·2	266	160	42·7	25·5	33·9	1·06	0·59	1·50
LEICESTER - - -	3,200	97,427	30·4	60	67	43·0	21·7	32·8	0·45	0·83	2·11
NOTTINGHAM - -	1,996	88,888	44·5	41	34	44·1	20·4	34·0	1·11	0·86	2·18
LIVERPOOL - - -	5,108	517,567	101·3	339	401	44·0	27·5	36·5	2·50	0·63	1·73
MANCHESTER - -	4,486	374,993	83·6	254	168	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	96	48	44·7	23·0	35·1	2·73	0·40	1·00
BRADFORD - - -	6,590	143,197	21·7	90	89	46·0	29·0	37·3	2·95	1·19	3·05
LEEDS - - -	21,572	259,527	12·0	119	133	45·0	30·0	37·9	3·28	1·60	4·06
SHEFFIELD - - -	22,830	247,378	10·8	188	101	45·0	24·5	35·7	2·06	1·11	2·83
HULL - - -	3,562	130,869	36·7	90	56	46·0	21·0	34·7	1·50	1·50	3·81
SUNDERLAND - -	3,306	100,979	30·5	74	41	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	80	51	45·0	28·0	36·4	2·44	1·82	4·63
EDINBURGH - - -	4,427	178,970	40·4	124	85	43·7	29·0	37·0	2·78	0·60	1·53
GLASGOW - - -	5,063	468,189	92·5	305	278	43·5	25·7	36·8	2·66	0·04	0·10
DUBLIN - - -	9,745	321,540	33·0	137	147	45·0	24·0	34·2	1·22	0·06	0·10
PARIS - - -	19,279	1,889,842	98	—	—	—	—	—	—	—	—
						Week ending 3d Dec. 1870.					
VIENNA - - -	9,212*	622,087	68	—	—	—	—	42·8	6·00	—	—
						Week ending 8 Dec. 1870.					
BERLIN - - -	15,451	800,000	52	—	—	—	—	—	—	—	—
						Week ending 8th December 1870.					

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 10th day of December 1870.

BOROUGH'S, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public	
Total of 17 TOWNS -	26	3166	752	610	77	68	242	17	72	136	33	107	201	39	
LONDON - - -	26	1586	343	322	61	27	116	7	32	54	13	65	119	21	
PORTSMOUTH - - -	20	47	16	9	-	-	1	-	-	2	1	2	2	-	
NORWICH - - -	32	50	5	9	-	1	4	-	3	2	-	1	1	-	
BRISTOL - - -	34	112	21	25	-	-	23	-	-	1	1	1	4	1	
WOLVERHAMPTON -	16	22	8	10	-	2	-	-	-	-	-	-	-	-	
BIRMINGHAM - -	23	160	42	23	-	5	7	5	10	6	1	4	15	1	
LEICESTER - - -	36	67	21	10	-	-	17	-	-	2	-	-	4	1	
NOTTINGHAM - -	20	34	8	12	-	-	3	-	-	1	-	1	2	-	
LIVERPOOL - - -	40	401	112	73	16	11	40	1	21	29	7	13	17	6	
MANCHESTER - -	23	168	33	37	-	7	2	1	1	8	5	6	13	2	
SALFORD - - -	21	48	16	7	-	-	-	-	-	5	-	2	6	-	
BRADFORD - - -	32	89	26	12	-	-	5	1	1	5	2	1	2	-	
LEEDS - - -	27	133	34	20	-	15	4	-	2	5	-	4	5	10	
SHEFFIELD - - -	21	101	34	7	-	-	11	-	2	8	1	-	1	3	
HULL - - -	22	56	9	18	-	-	4	-	-	1	-	1	2	-	
SUNDERLAND - -	21	41	8	7	-	-	4	2	-	3	1	5	5	-	
NEWCASTLE-ON-TYNE -	20	51	16	9	-	-	1	-	-	4	1	1	3	-	
DUBLIN - - -	24	147	21	38	-	1	13	-	5	5	6	2	4	3	

TABLE 5.—DEATHS in LONDON Registered in the FORTY-NINTH Week of the Year 1870.

In the Week ending Saturday, December 10, 1870.										In the Week ending Saturday, December 10, 1870.									
Deaths of Persons of the Ages										Deaths of Persons of the Ages									
ALL AGES.										ALL AGES.									
Mean Tem.										Mean Tem.									
0-5. 5-20. 20 and under 40. 40 and under 60. 60 and under 80. 80 Years and upwards.										0-5. 5-20. 20 and under 40. 40 and under 60. 60 and under 80. 80 Years and upwards.									
Mean Temperature -										Mean Temperature -									
ALL CAUSES -										9. Stricture of Intestines -									
SPECIFIED CAUSES										10. Fistula -									
ZYMOTIC DISEASES.										11. Stomach Disease, &c. -									
ORDER 1.										12. Pancreas Disease, &c. -									
Small-pox -										13. Hepatitis -									
Measles -										14. Jaundice -									
Scarlet Fever (Scarlatina) -										15. Liver Disease, &c. -									
Diphtheria -										16. Spleen Disease, &c. -									
Quinsy -										ORDER 5.									
Croup -										1. Nephritis -									
Whooping-cough -										2. Ischuria -									
Enteric or Typhoid Fever -										3. Bright's Disease (Nephria) -									
Simple continued Fever -										4. Diabetes -									
Erysipelas -										5. Calculus (Stone) -									
Puerperal Fever (Metria) -										6. Cystitis -									
Carbuncle -										7. Kidney Disease, &c. -									
Influenza -										ORDER 6.									
Dysentery -										1. Ovarian Dropsy -									
Diarrhoea -										2. Uterus Disease, &c. -									
Simple Cholera -										ORDER 7.									
Ague -										1. Synovitis (Arthritis) -									
Remittent Fever -										2. Joint Disease, &c. -									
Rheumatism -										ORDER 8.									
Other Zymotic Diseases -										1. Phlegmon -									
ORDER 2.										2. Ulcer -									
Syphilis -										3. Skin Disease, &c. -									
Stricture of Urethra -										IV. DEVELOPMENTAL									
Hydrophobia -										DISEASES.									
Glanders -										ORDER 1.									
ORDER 3.										1. Premature Birth -									
Privation -										2. Cyanosis -									
Want of Breast-milk -										3. Spina Bifida -									
Purpura and Scurvy -										4. Other Malformations -									
Alco- ¹ / ₂ Del. Tremens -										5. Teething -									
Colic & Intemperance -										ORDER 2.									
ORDER 4.										1. Paramenia -									
Thrush -										2. Childbirth (see Puer- peral Fever) -									
Worms, &c. -										ORDER 3.									
CONSTITUTIONAL DIS.										1. Old Age -									
ORDER 1.										ORDER 4.									
Gout -										1. Atrophy and Debility -									
Dropsy -										V. VIOLENT DEATHS, &c.									
Cancer -										ORDER 1.									
Cancerum Oris (Noma) -										(ACCIDENT OR NEGLIGENCE.)									
Mortification -										1. Fractures and Contusions -									
ORDER 2.										2. Wounds -									
Scrofula -										3. Burns and Scalds -									
Tabes Mesenterica -										4. Poison -									
Phthisis -										5. Drowning -									
Hydrocephalus -										6. Suffocation -									
I. LOCAL DISEASES.										7. Otherwise -									
ORDER 1.										ORDER 3.									
Cephalitis -										(HOMICIDE.)									
Apoplexy -										1. Murder and Manslaughter -									
Paralysis -										ORDER 4.									
Insanity -										(SUICIDE.)									
Chorea -										1. Wounds { Gunshot Cut, Stab -									
Epilepsy -										2. Poison -									
Convulsions -										3. Drowning -									
Brain Disease, &c. -										4. Hanging -									
ORDER 2.										5. Otherwise -									
Pericarditis -										ORDER 5.									
Aneurism -										(EXECUTION.)									
Heart Disease, &c. -										1. Hanging -									
ORDER 3.										Violent Deaths (not classed) -									
Laryngitis -										Sudden Deaths (Cause un- ascertained) -									
Bronchitis -										Causes not specified or ill- defined -									
Pleurisy -																			
Pneumonia -																			
Asthma -																			
Lung Disease, &c. -																			
ORDER 4.																			
Gastritis -																			
Enteritis -																			
Peritonitis -																			
Ascites -																			
Ulceration of Intestines -																			
Hæmia -																			
Ilæus -																			
Intussusception -																			

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
LONDON	2,803,989	1922	1586	343	322	61	27	116	7	32	12	26	16	13	65	119	217	
WEST DISTRICTS.																		
St. Mary Paddington WH	39015	36	23	8	3	-	-	1	1	1	-	1	-	-	-	1	4	
St. John Paddington H	38769	11	11	3	3	-	-	1	-	-	-	-	-	-	-	2	7	
Kensington Town W	51910	46	44	10	11	-	-	5	-	4	-	-	-	-	1	2	1	
Brompton H	18198	14	13	4	4	-	1	-	-	-	-	1	-	1	-	-	-	
St. Peter Hammersmith	5415	4	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Paul Hammersmith H	19104	16	18	6	6	-	-	2	-	-	-	-	-	-	1	1	1	
Fulham WL	15539	9	11	4	2	-	1	2	-	-	-	-	-	-	-	-	1	
Chelsea South H	21654	15	14	1	4	-	-	2	-	-	-	-	-	-	1	1	1	
Chelsea North-west HW	19899	14	7	2	2	-	1	-	-	-	-	-	-	-	-	-	3	
Chelsea North-east	21886	13	7	1	3	1	-	-	-	-	-	-	-	-	-	-	-	
Hanover Square	19773	5	5	-	1	-	-	-	-	-	1	1	-	-	-	-	-	
May Fair W	12885	1	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	
Belgrave H	55113	23	26	7	1	-	-	2	-	1	-	1	-	1	1	1	4	
St. John Westminster H	37483	23	24	5	5	5	-	2	-	1	-	1	-	1	-	-	-	
St. Margaret Westminster WH	30730	15	18	3	3	1	-	3	1	-	-	1	1	-	1	1	4	
St. James's Square	10753	1	3	-	1	-	1	-	-	-	-	-	-	-	-	-	-	
Golden Square W	13966	3	7	2	-	-	-	1	-	-	-	-	-	-	1	-	1	
Berwick-street	10607	4	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
St. Anne Soho	17426	8	10	-	3	-	1	-	-	-	-	-	-	-	-	-	-	
NORTH DISTRICTS.																		
All Souls Marylebone H	29952	19	13	3	4	-	-	-	-	-	-	-	-	-	-	1	5	
Cavendish Square	15090	4	4	1	-	-	-	-	-	1	1	-	-	-	-	-	-	
Rectory Marylebone W	26692	23	15	2	5	-	-	-	-	-	-	-	-	-	1	3	9	
St. Mary Marylebone H	22493	17	8	1	3	-	1	-	-	-	-	1	-	-	-	-	-	
Christchurch Marylebone	34913	12	4	-	1	-	-	-	-	-	-	1	-	-	-	-	-	
St. John Marylebone	32540	16	11	3	2	-	-	1	-	-	-	-	-	-	-	1	-	
Hampstead WH	19106	14	17	2	4	6	-	-	-	-	-	1	-	-	-	-	9	
Regent's Park Pancras	84927	31	12	1	4	-	1	-	-	-	-	-	-	-	-	-	-	
Tottenham-court WH	29371	12	20	3	4	-	1	2	-	-	-	-	-	-	-	2	6	
Gray's Inn Lane H	27808	17	10	-	3	-	-	-	-	1	-	-	-	1	4	4	3	
Somers Town	39099	19	16	2	5	-	-	-	-	1	-	1	-	-	-	2	7	
Camden Town W	23265	14	9	3	4	-	-	-	-	-	-	-	-	-	1	7	16	
Kentish Town	44317	42	28	10	5	1	-	4	-	1	-	-	1	-	-	-	-	
Islington West* WHH	75442	56	48	8	6	2	1	3	-	1	-	3	1	-	-	1	6	
Islington East W	79899	70	50	6	16	1	-	8	-	-	-	-	-	-	-	7	-	
Stoke Newington	6603	5	5	2	1	-	-	1	-	-	-	-	-	-	-	1	-	
Stamford Hill	5433	3	3	-	1	-	-	-	-	-	-	-	-	-	1	1	-	
West Hackney	24265	15	13	2	2	-	1	-	-	-	-	-	-	-	-	-	-	
Hackney WH	31481	29	25	6	7	-	-	3	-	-	-	1	-	-	2	3	8	
South Hackney L	15453	17	25	14	2	-	-	3	-	-	-	-	-	1	2	-	-	
CENTRAL DISTRICTS.																		
St. George Bloomsbury	17392	10	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
St. Giles South WH	19483	12	8	2	2	-	-	-	-	-	-	-	-	-	-	1	6	
St. Giles North	17201	13	6	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Long Acre	11613	5	7	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
Charing Cross WH	11071	4	4	1	-	-	-	-	-	-	-	-	-	-	1	2	1	
St. Mary-le-Strand	10346	2	1	-	-	-	-	1	-	-	-	-	-	-	1	1	2	
St. Clement Danes H	15207	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
St. George-the-Martyr H	19903	7	12	1	4	-	-	3	-	-	-	-	-	-	-	2	-	
St. Andrew East Holborn W	12947	10	9	2	3	-	-	-	-	-	-	-	-	-	-	-	-	
Saffron Hill	12012	3	6	1	2	-	2	1	-	-	-	-	-	-	1	1	4	
St. James Clerkenwell W	19132	8	10	2	1	-	1	-	-	1	-	-	-	-	-	-	-	
Amwell Clerkenwell	17250	11	8	-	1	-	-	-	-	-	-	-	-	-	-	1	-	
Pentonville	13079	11	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	
Goswell-street	16200	9	11	3	3	-	-	1	-	-	-	-	-	-	-	-	-	
Old-street	11504	4	5	1	2	-	-	1	-	-	-	-	-	-	-	-	-	
City-road HL	17580	19	7	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
Whitecross-street	14773	17	13	4	1	1	-	1	-	-	-	-	-	-	-	4	-	
Finbury	12931	6	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Botolph East London	20990	6	4	-	1	1	-	-	-	-	-	-	-	-	2	1	-	
Cripplegate	19697	8	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Sepulchre WH	11750	4	9	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
St. Bride W	15395	2	3	2	-	1	-	-	-	-	-	-	-	-	4	4	8	
Castle Baynard	7762	-	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-	
Christchurch	9029	1	3	1	-	-	-	1	1	-	-	-	-	-	-	-	-	
Queenhithe	8570	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Allhallows Barking	8659	2	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Broad Street	11544	6	3	1	-	-	-	-	-	1	-	-	-	-	1	1	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely:

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 Sunday, 10th December 1870.

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
EAST DISTRICTS.																		
St. Andrew's Shoreditch	-	17313	6	4	2	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Leonard Shoreditch	L	19188	16	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoxton New Town	W	26516	26	18	5	3	5	-	1	-	-	-	-	-	-	1	4	1
Hoxton Old Town	-	25777	23	18	2	5	5	-	1	-	-	-	-	-	-	3	5	5
Aggerstone West	W	23260	18	27	6	6	5	-	-	-	-	-	-	-	1	1	2	3
Aggerstone East	-	17310	12	11	4	2	1	-	-	-	1	-	-	-	-	-	-	-
Hackney-road	-	26298	21	27	7	4	3	-	-	-	-	3	-	-	-	5	9	-
Green, Bethnal Green	WHL	31789	40	26	5	3	1	1	1	-	-	1	-	1	-	1	5	5
Church, Bethnal Green	-	25528	16	18	6	2	-	-	1	-	-	-	-	1	-	2	3	5
Green, Bethnal Green	-	21486	15	15	7	1	2	-	-	-	-	1	-	1	-	3	3	-
St. Mary's Whitechapel	-	6557	1	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul's Whitechapel	-	15700	8	8	3	-	1	-	-	-	-	-	-	-	-	-	1	-
St. Andrew's New Town	W	15392	15	17	4	6	1	-	1	-	-	-	-	-	1	-	2	10
St. Andrew's North	-	12122	5	8	-	-	-	-	-	-	-	-	1	-	-	-	-	-
St. Andrew's Church	H	8062	5	16	-	1	1	-	-	-	1	-	-	-	1	1	1	11
St. Andrew's Fields	-	11166	8	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's Gate	-	9071	4	6	1	1	2	1	-	-	-	-	-	-	-	-	-	-
St. Mary St. George East	-	18181	8	6	1	1	-	-	-	-	1	1	1	-	-	-	-	-
St. Paul St. George East	-	21015	18	14	4	3	-	-	1	-	-	-	-	-	-	3	-	-
St. John St. George East	W	9695	4	10	1	1	1	-	1	-	-	-	-	-	-	2	3	4
St. Andrew's W	-	12537	3	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's WH	-	16874	9	7	2	3	-	-	-	-	-	-	-	-	-	3	-	-
St. Andrew's W	-	27161	10	16	2	1	2	-	1	-	1	-	1	-	-	-	-	-
St. Andrew's Old Town West	-	33747	24	17	4	3	1	2	-	-	1	-	-	-	-	-	-	-
St. Andrew's Old Town East	W	33317	38	30	7	7	2	1	1	-	-	1	1	-	-	-	-	5
St. Andrew's W	-	35667	45	42	7	12	1	-	1	1	-	2	2	-	-	2	2	7
St. Andrew's W	-	43529	31	22	7	4	-	-	1	-	1	1	1	-	-	-	-	2
SOUTH DISTRICTS.																		
St. Andrew's Southwark	W	17069	5	12	4	3	-	-	-	-	-	-	-	-	-	1	2	3
St. Saviour Southwark	H	10101	13	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	18652	10	14	2	1	-	-	-	-	1	-	-	-	-	-	-	-
St. Andrew's	-	16608	14	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	19190	17	7	-	4	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew's	-	22675	12	13	4	-	-	-	-	-	-	-	-	1	-	-	-	-
St. Andrew's	W	44463	30	18	4	2	-	-	3	-	-	1	-	-	1	-	-	-
St. Andrew's	H	15082	6	7	-	-	-	-	-	-	-	-	-	-	-	1	1	5
St. Andrew's	-	7663	1	14	-	3	-	-	-	-	-	1	-	-	-	3	3	12
St. Andrew's	W	11388	7	5	-	2	-	-	-	-	-	1	-	-	-	-	-	1
St. Andrew's	-	16696	12	10	3	1	-	-	2	-	1	-	-	3	-	-	-	-
St. Andrew's	-	16505	9	16	-	3	-	-	-	-	1	-	-	-	-	-	-	3
St. Andrew's	-	25154	43	18	6	1	1	-	4	-	1	-	-	2	-	-	-	-
St. Andrew's	W	24502	22	20	5	2	-	-	-	-	1	-	-	-	-	2	3	1
St. Andrew's	-	15269	15	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-
St. Andrew's	H	18640	16	11	1	1	2	3	2	-	-	-	-	-	-	-	-	-
St. Andrew's	-	19839	5	15	3	2	1	1	1	-	-	-	-	-	1	1	1	-
St. Andrew's	W	20842	41	27	3	9	2	5	1	-	-	-	-	1	-	1	1	7
St. Andrew's	-	30785	23	22	6	4	-	-	1	-	-	-	-	1	-	2	-	-
St. Andrew's	-	20440	22	9	1	4	-	-	-	-	-	-	-	-	1	-	-	-
St. Andrew's	-	20067	22	14	3	1	-	1	1	-	1	-	-	-	-	-	-	-
St. Andrew's	W	7462	7	6	-	1	1	-	-	-	2	-	-	-	-	-	-	2
St. Andrew's	-	20894	16	9	3	4	-	-	-	-	-	1	-	-	-	-	-	-
St. Andrew's	W	19600	27	27	4	1	1	-	-	-	-	2	-	-	-	2	3	3
St. Andrew's	L	18346	14	10	4	1	-	-	-	-	-	-	-	-	1	-	-	2
St. Andrew's	-	6481	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	10082	7	5	-	4	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	1723	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	WHL	21297	13	22	6	9	-	1	3	-	-	-	-	-	1	1	1	9
St. Andrew's	W	28135	28	7	1	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	20633	18	13	2	3	-	-	-	-	-	1	-	-	-	1	-	-
St. Andrew's	-	37834	30	22	7	4	-	-	2	-	2	-	-	-	-	-	-	-
St. Andrew's	-	8139	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	21696	7	12	3	-	-	-	3	-	1	-	-	-	-	-	-	-
St. Andrew's	WH	18306	8	11	2	2	-	-	-	-	-	-	-	-	-	-	-	4
St. Andrew's	-	3009	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	11003	4	2	-	1	-	-	-	-	-	-	1	-	-	-	-	-
St. Andrew's	W	7372	9	2	-	2	-	-	-	-	-	-	-	-	-	-	-	1
St. Andrew's	-	10595	14	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	-	9276	8	7	-	2	-	-	1	-	-	-	-	-	-	-	-	4
St. Andrew's	H	22919	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Andrew's	H	18776	8	12	2	2	-	-	4	-	-	1	-	1	-	1	-	-
St. Andrew's	-	24502	10	5	1	1	-	-	1	-	-	-	-	-	-	-	-	-
St. Andrew's	-	8	7	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-

Following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
 The Strand " " Tottenham-court sub-district.
 London City " " Islington East.
 Do. do. " " Hackney sub-district.

Holborn Workhouse is in Hoxton New Town sub-district.
 London City " " Mile End Old Town Eastern sub-dist. and
 Bow sub-district.
 Stepney " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 10th DECEMBER, 1870.
[Under the Superintendence of the Astronomer Royal.]

MOON.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.		RAIN.					
Phases of Moon.	Mean daily corrected and reduced to 32° Fahr. (in. Hott.)	Dry.				Dew Point.		Highest in the day, as self-registering thermometer.		Lowest on the day, as self-registering thermometer.		In the Water of the Thames at Greenwich, as self-registering thermometers.		Between Dew Point and Air Temperature.		Between mean temperature of the day and mean temperature of the same day of 50 years.		Degree of Humidity, complete saturation being represented by 100.		As deduced from Anemometers.		Collected in a Gauge at surface of water, 5 in. above the ground.	
		High-est.	Low-est.	Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Mean daily value.	Hottest thermometer.	Coldest thermometer.	Hottest thermometer.	Coldest thermometer.	Mean daily value.	Grav-est.	Least est.	Mean of 34 Obs. each day.	Amount of Horizontal Movement of Air, in 5 in. above the ground.	Direction.	Pressure on square foot.	Uster's.	Romson's.		
1870.																							
MONTH AND DAY.																							
DECEMBER.																							
SUNDAY	4	in.	30.170	40.8	28.2	12.6	33.4	25.6	78.8	25.1	0	0	7.8	10.1	3.1	8.8	73	ENE.	WSW. & SSW.	WSW. & SSW.	ENE.	282	0.12
MONDAY	5	Apogee.	30.084	33.7	25.3	8.4	30.3	23.2	38.4	19.0	..	..	2.1	3.8	1.3	11.9	91	SW.	SW. & NNE.	SW. & NNE.	ENE.	124	0.11
TUESDAY	6	..	29.656	37.0	32.1	4.9	35.0	34.0	37.1	31.3	..	..	1.0	1.8	0.0	7.1	96	NNE.	N. by E.	N. by E.	ENE.	147	0.28
WEDNESDAY	7	..	29.535	37.7	32.3	5.4	34.4	30.0	44.9	26.0	..	..	4.4	5.3	3.4	7.6	84	NNE.	N. by E.	N. by E.	ENE.	342	0.04
THURSDAY	8	Full	29.590	32.4	26.2	6.2	29.4	25.7	34.0	21.6	..	..	3.7	6.0	0.8	12.3	86	N. by E.	N. by E.	N. by E.	ENE.	161	0.11
FRIDAY	9	..	29.624	32.9	30.6	2.3	31.7	30.8	33.4	30.6	..	..	0.9	1.1	0.0	9.6	96	WNW. & WSW.	W. by S.	W. by S.	ENE.	139	0.17
SATURDAY	10	Greatest Dec. N.	29.794	34.9	32.2	2.7	33.6	32.6	40.0	31.8	..	..	1.0	1.2	0.5	7.4	96	N. & NE.	ENE.	ENE.	ENE.	97	0.01
MEANS	..	..	29.770	35.6	29.6	6.1	32.5	29.6	43.8	26.5	..	..	3.0	4.2	1.3	9.2	89	Variable.	Variable.	Variable.	Variable.	Sum 1292	Sum 0.84
No. of Columns.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

NOTES.

SKY AND ATMOSPHERE.

ELECTRICITY.

DATE.	DECEMBER.	SKY AND ATMOSPHERE.	ELECTRICITY.
SUNDAY	4	Rain and snow fell during the early morning. Variable during the morning; generally cloudy afterwards.	
MONDAY	5	Overcast. Snow fell almost continuously throughout the day.	
TUESDAY	6	Overcast. Rainy throughout. Gloomy and foggy about noon.	
WEDNESDAY	7	Cloudy. A dull day.	The electrical apparatus was out of order.
THURSDAY	8	Generally overcast. A little snow fell occasionally during the morning, but more heavily and continuously after 3 p.m.	
FRIDAY	9	Overcast. Snow fell more or less heavily throughout the day. Cloudy and foggy at 3 p.m. Very small diurnal range of temperature.	
SATURDAY	10	Rain fell during the early morning. Overcast. A dull gloomy day. A little thin rain fell at night. The diurnal range of temperature was very small.	

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily wet point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometer observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "higher," and - "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer increased from 29.95 in. at the beginning of the week to 29.96 in. by 9h. P.M. on the 4th; decreased to 29.32 in. by 9h. A.M. on the 5th; increased to 29.82 in. by 9h. A.M. on the 10th; and was 29.75 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

~~~~~  
By Authority of the Registrar General.  
~~~~~

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 50. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, DECEMBER 17. [Price 1d.

*General Register Office, Somerset House,
19th December 1870.*

DURING the week ending Saturday the 17th instant, 4921 *births* and 4018 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 29 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 28 per 1000; Portsmouth 23, Norwich 33, Bristol 26, Wolverhampton 21, Birmingham 23, Leicester 28, Nottingham 25, Liverpool 43, Manchester 27, Salford 29, Bradford 32, Leeds 31, Sheffield 23, Hull 20, Sunderland 29, and Newcastle-upon-Tyne 23. Small-pox caused 26 deaths in Liverpool last week, being an increase of 10 on the previous week's return.

In Edinburgh the annual rate of mortality last week was 30 per 1000 persons living, in Glasgow 34 per 1000, and in Dublin 29.

It is now 156 days since the Weekly Returns from Berlin, and 91 days since those from Paris, were discontinued on account of the war. In Vienna the annual rate of mortality during the week ending 10th instant was 29 per 1000. In the City of Bombay the deaths registered during the week ending 22d November were 298 (exclusive of still-born), and the mortality was at the annual rate of 19 per 1000. In the City of New York the deaths in the week ending 19th November were 473, and the equivalent annual rate of mortality was 27 per 1000.

In LONDON the *births* of 1092 boys and 1019 girls, in all 2111 children, were registered last week. The *deaths* registered in the same time were 1737. During the corresponding weeks of ten previous years the registered births averaged 2044, and the deaths 1429 per week; after making due allowance for increase of population, the average for the past week is estimated at 2248 births and 1572 deaths; the registered births, therefore, were 137 below, and the deaths 165 above, the estimated average.

Zymotic diseases caused 395 deaths, including 44 from small-pox, 27 from measles, 135 from scarlet fever, 9 from diphtheria, 9 from croup, 44 from whooping-cough, 9 from typhus, 23 from enteric (or typhoid) fever, 1 from relapsing fever, 14 from simple continued fever, 18 from erysipelas, and 12 from diarrhœa.

Of the 44 deaths from small-pox 22 were registered in the Eastern Districts, and also 3 fatal cases brought from the same districts occurred in the Hampstead Small-pox Hospital. The epidemic appears to be spreading in Westminster, for in addition to 3 fatal cases registered in the sub-districts of St. John and St. Margaret, there were 4 registered at the Hampstead Small-pox Hospital as having been brought from Westminster.

Fifty-nine deaths resulted from violence: of these 55 were accidental, including 29 by fractures, 8 by burns or scalds, and 11 by suffocation.

A shoemaker's son, aged 2 years, died on 13th instant, at 8 Union-court, Spitalfields, of "fever accelerated by defective sanitary arrangements." (*Inquest.*)

Three fatal accidents caused by horses or vehicles in the streets were returned last week: a widow, aged 75 years, died on 14th instant at St. Bartholomew's Hospital, of injuries caused by a cabriolet in Fleet-street; a tailor's wife, aged 66 years, died on 14th instant, at London Hospital, of shock from being run over by a van; a female, aged 60 years, died on 21st ultimo, of injuries caused by being accidentally run over.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·440 in. ; the highest was 29·96 in. at the end of the week, and the lowest was 28·94 in. on Wednesday. The mean temperature of the *air* was 42°·8, or 2°·4 above the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 57°·4 on Wednesday; the lowest night temperature was 31°·4 on Sunday; the entire range of temperature in the week was, therefore, 26°·0. The highest temperature in the sun was 62°·5 on Sunday. The mean temperature was below the average on the first and last days of the week, above on each of the other days, the greatest excess being 12°·1 on Wednesday. The difference between the mean *dew-point* temperature and *air* temperature was 2°·3. The mean degree of *humidity* of the air was 92, complete saturation being represented by 100. The general direction of the *wind* was S.W., S.E., and N.E. ; and the horizontal movement of the air amounted to 11·5 miles per hour. *Rain* fell on every day in the week, the total amount collected being 1·70 in.

The mean temperature of the week in the other large English towns furnishing returns ranged from 37°·5 in Sheffield, to 44°·6 in Portsmouth; the lowest recorded night temperature was 21°·0 in Salford, and the highest day temperature in the shade was 58°·2 in Portsmouth. Rain fell in all the towns, the quantities measured ranging from 0·66 in. at Norwich, to 1·94 in. at Portsmouth.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 6°·0; the highest day temperature in the shade was 14°·1; the lowest night temperature was 0°·34 below the freezing point of water; the highest temperature in the sun was 16°·9. The mean temperature of the week on an average of 50 years was 4°·7, or 1°·3 below the temperature of last week. The wind blew at the rate of 18·4 kilometres an hour, and the rain-fall was 4·32 centimetres.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 371,828 cubic metres, and at Barking 251,936 cubic metres, equivalent to about as many tons by weight.

The REGISTRAR GENERAL has to acknowledge the courtesy of the LONDON WATER COMPANIES, who have furnished him with the average daily quantity of Water supplied for the month of NOVEMBER 1870: thus, according to their account, 101,063,124 gallons or 459,176 cubic metres of water (equal to about as many *tons* by measure, *tons* by weight) were supplied daily; or 95·1 decalitres, rather less than a *ton* by weight, to each house, and 13·4 decalitres (= 29·5 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 82 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of November 1870, it may be estimated that about 83,058,000 gallons were probably used for domestic purposes, or about 24 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

COMPANIES.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	OCTOBER 1870.	NOVEMBER 1870.	OCTOBER 1870.	NOVEMBER 1870.
TOTAL SUPPLY	482,565	482,850	104,073,197	101,063,124
From Thames	222,710	222,924	54,135,715	52,650,070
From Lea and from other Sources . . .	259,855	259,926	49,937,482	48,413,054
THAMES.				
Chelsea	27,670	27,640	8,116,400	7,617,900
West Middlesex	41,361	41,458	8,723,137	8,307,244
Southwark and Vauxhall	77,251	77,272	16,012,537	16,501,270
Grand Junction	30,929	30,920	11,010,841	10,722,085
Lambeth	45,490	45,625	10,272,800	9,501,571
LEA AND OTHER SOURCES.				
New River	118,259	118,330	22,052,000	22,418,000
East London	101,817	101,817	19,743,498	19,174,000
Kent	39,779	39,779	7,241,984	6,821,054

Note.—The Return for November as compared with that for October shows an increase of 285 houses, and a decrease of 3,010,073 gallons of water supplied daily.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FIFTIETH Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1970	1800	1836	2100	1952	2098	2074	2146	2183	2229	2043·8	2111
Males . .	1052	924	953	1112	951	1096	1029	1127	1145	1145	1053·4	1092
Females . .	918	876	933	988	1001	1002	1045	1019	1038	1084	990·4	1019
TOTAL Deaths	1208	1233	1408	1357	1449	1440	1389	1700	1436	1566	1423·6	1737
Males . .	614	641	700	702	736	750	714	860	755	793	726·5	897
Females . .	594	642	703	655	713	690	675	840	731	773	702·1	840

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Sept. 24.	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.	Nov. 5.	Nov. 12.	Nov. 19.	Nov. 26.	Dec. 3.	Dec. 10.	Dec. 17.
TOTAL Deaths - - -	1212	1277	1279	1416	1334	1266	1343	1468	1639	1652	1482	1586	1737
Deaths under 5 years of age -	488	495	526	579	573	537	568	644	674	712	629	647	688
Deaths 5—20 - - -	123	163	150	169	141	123	141	136	150	131	126	159	154
Deaths 20—40 - - -	174	173	197	198	183	159	203	195	219	212	198	219	253
Deaths 40—60 - - -	207	182	203	233	198	225	198	236	276	244	222	239	278
Deaths 60—80 - - -	169	217	166	194	206	179	190	220	265	293	255	280	301
Deaths at 80 years & upwards	51	47	37	43	33	43	43	37	55	60	52	42	63
Deaths from Smallpox - -	15	13	27	13	17	21	23	40	45	41	60	61	44
" " Measles - - -	8	14	11	19	20	13	27	19	36	24	33	27	27
" " Scarlet Fever - -	167	171	192	198	192	167	174	150	162	122	130	116	135
" " Diphtheria - - -	7	10	9	11	8	9	7	4	10	5	11	7	9
" " Whooping-cough - -	13	13	16	20	24	17	10	20	28	26	25	32	44
" " Typhus fever - - -	11	14	12	17	12	6	10	13	12	6	12	12	9
" " Enteric (or Typhoid) fever -	22	22	23	22	26	24	20	19	22	23	21	26	23
" " Simple Contag fever -	12	10	19	8	3	7	15	8	13	10	15	16	15
" " Diarrhœa - - -	46	37	35	38	25	29	16	13	18	18	12	13	12
" " Simple Cholera - -	4	1	1	2	1	1	2	—	—	—	—	1	—
" " Phthisis - - -	151	136	146	165	153	136	148	154	176	165	144	167	173
" " Bronchitis - - -	83	70	82	107	124	117	120	196	216	257	222	244	249
" " Pneumonia - - -	41	56	51	70	72	78	81	95	107	116	89	101	114
" " Heart Disease - -	49	60	66	58	66	70	61	75	81	75	79	71	74
Mean Temperature of the Air	54·5	55·7	54·1	47·1	49·7	48·2	44·1	39·1	37·6	46·8	38·9	32·5	42·8
Mean Temperature of the Water of the Thames } Humidity of the Air - -	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - -	85	83	86	79	86	88	90	90	90	87	87	89	92
Rain-fall in inches - - -	0·00	0·00	0·20	0·14	1·38	1·16	0·47	0·04	0·18	0·95	0·01	0·84	1·70

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna is good enough to supply the returns for that city.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.,—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackeroth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Douceter, Esq., jun., F.M.S., Sheffield; J. McClandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered and METEOROLOGY during the Week ending Saturday, the 17th day of December 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 17th Dec.	DEATHS registered during the Week ending 17th Dec.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metres.
Total of 20 Towns in the UNITED Kingdom - - -	213,281	7,216,325	33·8	4921	4018	58·2	21·0	39·3	4·06	1·03	2·6
LONDON - - -	77,997	3,214,707	41·2	2111	1737	57·4	31·4	42·8	6·00	1·70	4·3
PORTSMOUTH - -	9,513	122,084	12·8	57	54	58·2	31·6	44·6	7·00	1·94	4·9
NORWICH - - -	7,472	81,087	10·9	54	51	57·5	30·5	39·6	4·22	0·66	1·7
BRISTOL - - -	4,688	171,382	36·6	109	84	—	—	—	—	—	—
WOLVERHAMPTON -	3,387	72,990	21·5	42	29	55·2	26·3	39·2	4·00	0·74	1·9
BIRMINGHAM - -	7,881	369,604	47·2	267	163	57·0	29·8	40·3	4·61	0·89	2·3
LEICESTER - - -	3,200	97,427	30·4	83	53	56·5	25·0	39·4	4·11	0·79	2·0
NOTTINGHAM - -	1,993	88,888	44·5	61	42	56·3	25·0	38·4	3·55	0·69	1·7
LIVERPOOL - - -	5,108	517,567	101·3	419	423	54·4	32·3	40·8	4·88	0·84	2·1
MANCHESTER - -	4,486	374,993	83·6	282	192	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	80	68	56·4	21·0	38·4	3·55	0·93	2·4
BRADFORD - - -	6,590	143,197	21·7	131	87	52·1	25·0	39·1	3·95	0·85	2·2
LEEDS - - -	21,572	259,527	12·0	188	156	53·0	28·0	39·1	3·95	0·95	2·4
SHEFFIELD - - -	22,830	247,378	10·8	193	131	53·7	25·0	37·5	3·06	1·12	2·8
HULL - - -	3,502	130,869	36·7	81	49	—	—	—	—	—	—
SUNDERLAND - -	3,306	100,979	30·5	60	57	—	—	—	—	—	—
NEWCASTLE-ON-TYNE	5,336	133,367	25·0	95	58	50·0	30·0	38·1	3·39	0·93	2·4
EDINBURGH - - -	4,427	178,970	40·4	123	104	48·7	32·0	37·3	2·95	0·90	2·3
GLASGOW - - -	5,063	468,189	92·5	351	304	46·5	30·0	35·4	2·89	2·29	5·8
DUBLIN - - -	9,745	321,540	33·0	134	176	54·0	23·5	39·2	4·00	1·07	2·7
PARIS - - -	19,279	1,889,842	98	—	—	—	—	—	—	—	—
						Week ending 10th December 1870.					
VIENNA - - -	9,212*	622,087	68	Week ending 10 Dec. 1870.	Week ending 10 Dec. 1870. 840	—	—	40·3	4·62	—	—
						Week ending 15th December 1870.					
BERLIN - - -	15,451	800,000	52	Week ending 15 Dec. 1870.	Week ending 15 Dec. 1870.	—	—	—	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 17th day of December 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE of Mor- tality per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include												
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small- pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.	Inquest Cases.	In- Prob- able.	
Total of 17 TOWNS -	29	3434	810	696	71	61	270	23	88	126	35	101	190	5	
LONDON - - -	28	1737	375	364	44	27	135	9	44	47	12	59	119	36	
PORTSMOUTH - -	23	54	19	11	-	-	1	-	-	1	-	1	1	-	
NORWICH - - -	33	51	8	20	-	-	7	1	5	-	-	-	2	-	
BRISTOL - - -	26	84	14	29	1	3	7	-	-	3	-	2	3	1	
WOLVERHAMPTON -	21	29	6	8	-	-	1	-	-	-	-	3	4	-	
BIRMINGHAM - -	23	163	57	27	-	2	12	5	7	6	3	7	15	1	
LEICESTER - - -	28	53	13	8	-	-	19	-	2	-	-	-	-	-	
NOTTINGHAM - -	25	42	3	10	-	-	5	-	-	4	-	-	1	-	
LIVERPOOL - - -	43	423	111	79	26	9	40	1	18	36	6	14	14	6	
MANCHESTER - -	27	192	53	28	-	2	2	1	3	3	5	6	11	8	
SALFORD - - -	29	68	10	17	-	1	4	1	1	5	1	-	2	-	
BRADFORD - - -	32	87	21	11	-	2	7	1	1	2	-	-	2	-	
LEEDS - - -	31	156	50	30	-	12	3	-	2	4	3	3	6	1	
SHEFFIELD - - -	28	131	34	22	-	2	14	1	1	9	2	-	2	-	
HULL - - -	20	49	11	10	-	1	6	-	-	1	-	3	3	-	
SUNDERLAND - -	29	57	11	7	-	-	6	3	2	2	2	1	1	-	
NEWCASTLE-ON-TYNE	23	58	14	15	-	-	1	-	2	3	1	2	3	-	
DUBLIN - - -	20	176	29	41	-	1	9	1	6	6	-	5	6	5	

TABLE 5.—DEATHS IN LONDON Registered in the FIFTIETH Week of the Year 1870.

CAUSES OF DEATH.	Averages of the Fiftieth Week in the 10 years 1860-69.	In the Week ending Saturday, December 17, 1870.							CAUSES OF DEATH.	Averages of the Fiftieth Week in the 10 years 1860-69.	In the Week ending Saturday, December 17, 1870.						
		Deaths of Persons of the Ages									Deaths of Persons of the Ages						
		ALL AGES.	Under 20.		40. and under 60.	60. and under 80.	80 Years and upwards.	Mean Tem.			ALL AGES.	Under 20.		40. and under 60.	60. and under 80.	80 Years and upwards.	Mean Tem.
			0-5.	5-20.								0-5.	5-20.					0-5.	5-20.
Mean Temperature -	43° 0	42° 8	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature -	43° 0	42° 8	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
ALL CAUSES -	1428° 6	1737	688	154	253	278	301	63	9. Stricture of Intestines -	13° 6	1	-	-	-	1	-	-
SPECIFIED CAUSES -	1414° 6	1734	687	154	251	278	301	63	10. Fistula -	7° 7	4	-	-	1	2	-	-
ZYMOTIC DISEASES.									11. Stomach Disease, &c. -	6° 2	1	1	-	-	-	-	-
ORDER 1.									12. Pancreas Disease, &c. -	2° 2	4	-	-	-	2	9	-
Small-pox -	13° 1	44	22	11	8	3	-	-	13. Hepatitis -	2° 8	14	-	-	-	1	1	-
Scarlet Fever (Scarlatina) -	40° 2	37	21	5	1	-	-	-	14. Jaundice -	13° 3	10	-	5	5	-	-	-
Erysipelas -	12° 1	9	6	3	-	-	1	-	15. Liver Disease, &c. -	2°	-	-	-	-	-	-	-
Typhoid Fever -	17° 9	9	8	1	-	-	-	-	16. Spleen Disease, &c. -		-	-	-	-	-	-	-
Typhoid Fever (continued) -	49° 1	44	42	2	-	-	-	-	ORDER 5.								
Typhoid Fever (continued) -	59° 7	23	5	6	10	2	3	1	1. Nephritis -	1° 4	3	-	1	-	-	2	-
Typhoid Fever (continued) -	6° 7	18	9	1	2	2	3	1	2. Ischuria -	3° 8	16	-	1	3	8	4	-
Typhoid Fever (continued) -	3° 4	5	-	1	4	-	-	-	3. Bright's Disease (Nephria) -	1° 4	2	-	-	-	-	2	-
Typhoid Fever (continued) -	1° 1	1	-	1	-	-	-	-	4. Diabetes -	1° 0	-	-	-	-	-	-	-
Typhoid Fever (continued) -	1° 9	1	1	-	-	-	-	-	5. Calculus (Stone) -	1° 0	-	-	-	-	-	-	-
Typhoid Fever (continued) -	14° 7	12	9	-	1	2	-	-	6. Cystitis -	8° 1	5	-	1	1	8	-	-
Typhoid Fever (continued) -	5° 5	-	-	-	-	-	-	-	7. Kidney Disease, &c. -		-	-	-	-	-	-	-
Typhoid Fever (continued) -	1° 2	-	-	-	-	-	-	-	ORDER 6.								
Typhoid Fever (continued) -	9° 6	8	-	3	1	3	1	-	1. Ovarian Dropsy -	6°	-	-	-	-	-	-	-
Typhoid Fever (continued) -	3° 8	1	1	-	-	-	-	-	2. Uterus Disease, &c. -	3° 8	8	-	1	4	3	-	-
ORDER 2.									ORDER 7.								
Typhoid Fever (continued) -	5° 7	9	8	-	1	-	-	-	1. Synovitis (Arthritis) -	2°	1	1	-	-	-	-	-
Typhoid Fever (continued) -	1° 3	2	-	-	1	1	-	-	2. Joint Disease, &c. -	4° 7	7	-	5	1	1	-	-
Typhoid Fever (continued) -	1° 4	-	-	-	-	-	-	-	ORDER 8.								
Typhoid Fever (continued) -	1° 1	-	-	-	-	-	-	-	1. Phlegmon -	2° 4	3	1	-	1	1	-	-
Typhoid Fever (continued) -	1° 1	-	-	-	-	-	-	-	2. Ulcer -	1° 1	2	-	-	2	-	-	-
Typhoid Fever (continued) -	1° 1	-	-	-	-	-	-	-	3. Skin Disease, &c. -	1° 4	1	-	-	-	1	-	-
ORDER 3.									IV. DEVELOPMENTAL DISEASES.								
Typhoid Fever (continued) -	3°	1	-	-	-	1	-	-	ORDER 1.								
Typhoid Fever (continued) -	7° 2	9	9	-	-	-	1	-	1. Premature Birth -	18° 8	21	21	-	-	-	-	-
Typhoid Fever (continued) -	8°	6	8	2	-	1	-	-	2. Craniocoele -	2° 6	1	1	-	-	-	-	-
Typhoid Fever (continued) -	1° 2	2	-	-	1	1	-	-	3. Spina Bifida -	9°	-	-	-	-	-	-	-
Typhoid Fever (continued) -	1° 8	-	-	-	-	-	-	-	4. Other Malformations -	2° 1	4	4	-	-	-	-	-
ORDER 4.									5. Teething -	14° 1	5	5	-	-	-	-	-
Typhoid Fever (continued) -	2° 3	4	4	-	-	-	-	-	ORDER 2.								
Typhoid Fever (continued) -	2°	-	-	-	-	-	-	-	1. Paramenia -	2°	-	-	-	-	-	-	-
ORDER 5.									2. Childbirth (see Puerperal Fever) -	5° 1	10	-	-	9	1	-	-
Typhoid Fever (continued) -	1° 6	-	-	-	-	-	-	-	ORDER 3.								
Typhoid Fever (continued) -	13° 6	25	7	2	1	10	5	-	1. Old Age -	55° 0	58	-	-	-	-	32	26
Typhoid Fever (continued) -	29° 2	32	-	1	9	16	5	1	ORDER 4.								
Typhoid Fever (continued) -	5°	8	1	1	-	2	4	-	1. Atrophy and Debility -	52° 0	59	47	2	1	-	9	-
Typhoid Fever (continued) -	3° 8	8	1	1	-	2	4	-	V. VIOLENT DEATHS, &c.								
ORDER 6.									ORDER 1.								
Typhoid Fever (continued) -	7° 6	12	6	4	1	1	-	-	(ACCIDENT OR NEGLIGENCE.)								
Typhoid Fever (continued) -	14° 5	20	18	2	-	-	-	-	1. Fractures and Contusions -	13° 4	29	4	2	5	9	6	3
Typhoid Fever (continued) -	147° 6	173	11	10	89	55	7	1	2. Wounds -	1° 0	8	5	3	-	-	-	-
Typhoid Fever (continued) -	28° 1	26	20	6	-	-	-	-	3. Burns and Scalds -	7° 7	8	5	3	-	-	-	-
ORDER 7.									4. Poison -	1° 0	1	-	-	-	-	1	-
Typhoid Fever (continued) -	7° 6	12	6	4	1	1	-	-	5. Drowning -	4° 8	1	-	-	1	-	-	-
Typhoid Fever (continued) -	14° 5	20	18	2	-	-	-	-	6. Suffocation -	8° 1	11	9	2	2	-	-	-
Typhoid Fever (continued) -	147° 6	173	11	10	89	55	7	1	7. Otherwise -	1° 2	5	2	2	-	1	-	-
Typhoid Fever (continued) -	28° 1	26	20	6	-	-	-	-	ORDER 3.								
ORDER 8.									(HOMICIDE.)								
Typhoid Fever (continued) -	7° 6	12	6	4	1	1	-	-	1. Murder and Manslaughter -	2° 6	-	-	-	-	-	-	-
Typhoid Fever (continued) -	14° 5	20	18	2	-	-	-	-	ORDER 4.								
Typhoid Fever (continued) -	147° 6	173	11	10	89	55	7	1	(SUICIDE.)								
Typhoid Fever (continued) -	28° 1	26	20	6	-	-	-	-	1. Wounds (Gunshot Cut, Stab) -	5°	-	-	-	1	1	-	-
ORDER 9.									2. Poison -	1° 3	1	-	-	-	-	-	-
Typhoid Fever (continued) -	6° 3	15	14	-	1	-	-	-	3. Drowning -	7°	-	-	-	-	-	-	-
Typhoid Fever (continued) -	191° 1	249	89	2	7	40	100	11	4. Hanging -	1° 2	-	-	-	-	-	-	-
Typhoid Fever (continued) -	3° 6	4	1	-	2	1	1	-	5. Otherwise -	6°	-	-	-	-	-	-	-
Typhoid Fever (continued) -	104° 0	114	78	6	10	9	10	1	ORDER 5.								
Typhoid Fever (continued) -	12° 6	14	-	-	2	4	7	1	(EXECUTION.)								
Typhoid Fever (continued) -	17° 0	27	11	-	4	6	4	2	1. Hanging -	1°	-	-	-	-	-	-	-
ORDER 10.									Violent Deaths (not classed)	1°	1	1	-	-	-	-	-
Typhoid Fever (continued) -	1° 2	2	-	-	-	2	-	-	Sudden Deaths (Cause un-	3° 0	1	1	-	-	-	-	-
Typhoid Fever (continued) -	5° 1	4	3	1	-	-	-	-	ascertained)	11° 0	2	-	-	2	-	-	-
Typhoid Fever (continued) -	5° 3	5	-	1	1	1	2	-	Causes not specified or ill-								
Typhoid Fever (continued) -	3° 0	4	1	-	2	1	1	-	defined								
Typhoid Fever (continued) -	2° 2	4	1	-	2	1	1	-									
Typhoid Fever (continued) -	5° 3	7	-	-	1	4	2	-									
Typhoid Fever (continued) -	3° 0	2	-	1	-	1	-	-									
Typhoid Fever (continued) -	7°	-	-	-	-	-	-	-									

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhea.	Violence.	Inquest Cases.	In Public Insti-
LONDON		2,803,989	2111	1737	375	364	44	27	135	9	44	9	23	15	12	59	119	34
WEST DISTRICTS		458,123	310	268	57	54	3	12	16	2	9	1	3	2	4	5	10	6
NORTH DISTRICTS		618,210	488	399	72	94	18	2	39	2	9	3	6	3	2	14	25	9
CENTRAL DISTRICTS		383,321	192	168	32	35	-	1	13	2	-	-	4	2	1	7	11	3
EAST DISTRICTS		571,158	472	357	93	69	22	6	14	-	12	1	7	5	3	19	46	6
SOUTH DISTRICTS		773,175	649	545	121	112	1	6	53	3	14	4	3	3	2	14	27	7
WEST DISTRICTS.																		
St. Mary Paddington WH		39015	31	20	5	4	-	1	1	-	1	-	-	-	-	-	2	2
St. John Paddington H		36749	11	9	1	1	-	1	1	1	1	-	-	-	4	1	2	11
Kensington Town W		61910	56	39	11	9	-	5	1	1	1	-	-	-	-	-	-	3
Brompton H		18198	16	12	1	1	-	-	1	-	-	-	1	-	-	-	1	3
St. Peter Hammersmith		5415	2	6	-	-	-	1	2	-	-	-	-	-	-	-	1	1
St. Paul Hammersmith H		19104	20	15	3	4	-	-	1	1	1	-	1	-	-	-	-	4
Fulham W		15539	20	14	5	1	-	-	-	-	1	-	-	-	-	-	-	4
Chelsea South H		21654	9	15	3	4	-	-	2	-	-	-	-	-	1	-	-	4
Chelsea North-west HW		19899	13	14	2	2	-	-	-	-	1	-	-	-	-	-	-	7
Chelsea North-east		21836	13	5	2	2	-	-	-	-	-	-	-	-	-	-	1	7
Hanover Square		19773	5	1	-	1	-	-	-	-	-	-	-	-	-	1	-	6
May Fair W		12855	5	10	1	4	-	-	-	-	-	-	-	-	-	-	-	6
Belgrave H		55113	30	20	2	5	-	-	-	1	-	1	-	-	-	1	1	7
St. John Westminster H		37483	28	27	9	2	2	4	1	-	-	-	-	-	-	1	1	1
St. Margaret Westminster WH		30730	16	20	5	5	1	-	2	-	-	-	-	-	1	1	1	11
St. James's Square		10753	6	3	1	-	-	-	-	-	-	-	-	-	-	-	-	8
Golden Square W		13966	6	17	4	4	-	1	1	-	2	-	-	-	-	-	-	8
Berwick-street		10607	9	9	-	-	-	-	3	-	1	-	-	-	-	-	-	4
St. Anne Soho		17426	9	12	2	3	-	-	-	-	-	-	-	-	-	-	-	4
NORTH DISTRICTS.																		
All Souls Marylebone H		29952	16	13	1	5	-	-	-	-	-	-	-	-	-	-	-	4
Cavendish Square		15690	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Rectory Marylebone W		29592	13	22	6	8	-	-	-	-	-	-	-	-	1	1	1	13
St. Mary Marylebone H		22493	18	8	2	2	-	-	-	-	-	-	-	-	-	-	-	6
Christchurch Marylebone		34913	26	16	5	5	-	-	2	-	-	-	-	-	-	-	-	1
St. John Marylebone		32540	19	8	1	3	-	1	1	-	-	-	-	-	1	2	-	1
Hampstead WH		19106	19	22	1	4	8	-	-	-	-	-	1	1	-	-	-	10
Regent's Park Pancras		34927	26	22	6	4	-	-	1	-	3	-	-	-	-	1	1	-
Tottenham-court WH		29371	17	24	4	3	-	-	-	-	-	-	-	-	-	-	2	11
Gray's Inn Lane H		27808	16	10	-	2	-	-	1	-	-	-	1	1	-	-	-	-
Somers Town		39099	23	17	2	7	-	-	-	-	1	1	1	1	-	-	-	20
Camden Town W		23356	14	24	4	14	-	-	-	-	-	-	-	-	-	7	10	20
Kentish Town		44317	40	28	4	5	1	-	6	-	1	-	2	-	-	-	2	-
Islington West* WHH		75442	72	65	10	8	7	-	10	2	1	1	1	-	2	1	1	21
Islington East W		78999	76	47	13	9	1	1	4	-	1	1	-	-	-	1	1	5
Stoke Newington		6698	4	6	2	3	-	-	-	-	-	-	-	-	-	-	2	1
Stamford Hill		5483	1	2	1	-	-	-	-	-	-	-	-	1	-	-	-	-
West Hackney		24285	21	16	1	1	1	1	3	-	-	-	-	-	-	-	-	-
Hackney HW		31481	31	30	5	6	-	-	6	-	1	-	-	-	-	1	2	6
South Hackney L		15453	22	18	4	5	-	-	4	-	-	-	-	-	-	1	1	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury		17392	6	10	3	2	-	-	2	-	-	-	-	-	-	-	1	-
St. Giles South WH		19483	14	6	-	1	-	-	-	-	-	-	-	1	-	-	-	3
St. Giles North		17201	10	6	1	2	-	-	-	1	-	-	-	-	-	-	-	-
Long Acre		11613	7	8	2	4	-	-	-	-	-	-	-	-	-	-	-	-
Charing Cross WH		11071	5	7	3	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary-le-Strand		10346	4	6	-	-	-	-	1	-	-	-	1	-	-	-	-	-
St. Clement Danes H		16207	4	14	1	-	-	-	5	-	-	-	-	-	-	1	-	-
St. George-the-Martyr H		19903	11	13	2	3	-	1	-	-	-	-	-	-	-	-	-	-
St. Andrew East Holborn W		12947	6	11	4	6	-	-	-	-	-	-	-	-	-	-	1	1
Saffron Hill		12012	3	8	-	2	-	-	2	-	-	-	-	-	-	-	1	-
St. James Clerkenwell W		19152	16	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Amwell Clerkenwell		17250	6	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Fentonville		13079	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goswell-street		16200	15	6	1	1	-	-	-	-	-	-	1	-	-	-	-	-
Old-street		11504	9	6	3	-	-	-	1	-	-	-	-	-	-	-	-	-
City-road HL		17860	17	6	1	2	-	-	-	-	-	-	-	-	-	-	1	-
Whitecross-street		14778	16	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Finsbury		12931	7	2	1	1	-	-	-	-	-	-	-	1	-	-	-	-
St. Botolph East London		20990	8	3	1	1	-	-	-	-	-	-	1	-	-	-	-	-
Cripplegate		19697	5	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Sepulchre WH		11750	4	19	-	1	-	-	1	1	-	-	-	-	-	6	6	13
St. Bride W		15395	4	7	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Castle Baynard		7762	-	2	-	1	-	-	-	-	-	-	-	-	1	-	-	-
Christchurch		9020	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Queenhithe		8570	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alhallow's Barking		8659	1	5	2	1	-	-	-	-	-	-	-	-	-	-	1	-
Broad Street		11544	5	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 Sunday, 17th December 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
Lywell Shoreditch	17313	6	3	2	-	-	1	1	-	-	-	-	-	-	-	-	1	-
Leonard Shoreditch L†	19188	5	9	4	1	-	-	-	-	-	-	-	1	-	-	-	1	-
Horton New Town W	26616	37	23	3	7	3	-	-	-	-	-	-	-	-	-	-	-	5
Horton Old Town -	25777	24	12	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Horton West W	23260	23	14	5	6	-	-	-	-	-	-	-	-	-	-	-	-	6
Horton East	17310	14	9	2	2	1	2	1	-	-	-	1	-	-	-	-	-	-
Horton -	26298	26	17	6	4	1	-	-	-	-	3	-	2	-	-	-	-	-
Green, Bethnal Green WHL†	31789	32	40	9	10	3	-	-	-	-	-	-	1	1	4	10	7	-
Green, Bethnal Green -	25528	16	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Green, Bethnal Green -	21436	20	10	3	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel -	6357	7	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
Whitechapel -	13700	11	6	-	1	1	-	-	-	-	-	-	1	-	-	2	-	-
Mile End New Town W	15392	8	16	3	6	-	-	-	-	-	1	-	-	-	-	1	1	6
Whitechapel North -	12122	7	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel Church H	8062	4	14	2	1	-	-	-	-	-	-	-	-	-	-	4	5	10
Whitechapel Fields -	11166	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitechapel -	9971	8	5	2	-	2	-	-	-	-	1	-	-	-	-	1	-	-
Mary St. George East	18181	17	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paul St. George East	21015	15	5	1	1	-	-	-	-	-	1	-	-	-	1	-	1	-
John St. George East W	9695	6	12	1	5	-	-	1	-	-	-	-	-	-	-	-	-	8
Adwell W -	12337	2	6	1	1	-	-	-	-	1	-	-	-	-	-	-	-	1
Adwell W H	18374	4	10	4	3	-	-	-	-	-	-	1	-	-	-	-	2	1
Adwell W -	27131	18	13	5	2	1	-	1	-	1	-	-	-	1	-	-	-	-
Mile End Old Town West	33747	30	11	6	1	-	1	-	-	-	-	-	-	-	-	2	2	-
Mile End Old Town East W	33317	47	29	8	7	1	-	-	-	-	2	-	1	1	-	1	2	4
Mile End W L†	25667	53	40	11	3	-	-	3	-	-	1	-	1	-	-	-	-	7
Mile End W -	43529	27	33	7	7	-	1	1	-	-	-	-	-	-	5	8	7	7
SOUTH DISTRICTS.																		
St. Saviour Southwark W	17069	10	11	1	1	-	1	1	-	-	-	-	-	-	-	-	-	3
St. Saviour Southwark H	19101	12	11	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-
St. Saviour Southwark -	19652	10	12	2	4	-	-	-	-	-	2	-	-	-	-	-	-	-
St. Saviour Southwark W	19648	10	14	1	4	-	-	-	-	-	-	-	-	-	-	-	-	6
St. Saviour Southwark L	19190	7	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark -	22375	21	11	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark W	44463	44	36	7	9	-	-	4	-	-	-	-	-	-	1	-	-	9
St. Saviour Southwark H	15082	15	10	-	2	-	-	-	1	-	-	-	-	-	-	1	-	4
St. Saviour Southwark -	7633	1	17	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark W	11833	10	4	-	1	-	-	-	-	-	-	-	-	-	-	4	4	15
St. Saviour Southwark -	16636	10	13	7	4	-	1	3	-	1	-	-	-	1	1	-	1	-
St. Saviour Southwark W	16505	11	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
St. Saviour Southwark -	25154	37	25	9	3	-	1	4	-	1	-	-	-	-	-	-	-	-
St. Saviour Southwark W	24502	30	17	5	3	-	1	-	-	-	1	-	-	-	-	-	-	-
St. Saviour Southwark 1st	15269	10	7	2	-	-	-	-	1	-	-	-	1	-	-	-	-	-
St. Saviour Southwark 2nd H	18640	18	13	3	1	-	-	-	1	-	-	-	-	-	-	2	3	-
St. Saviour Southwark Church 1st	19839	18	5	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark Church 2nd W	29542	22	23	3	8	-	2	2	-	-	-	-	-	-	-	-	-	11
St. Saviour Southwark 1st	30785	18	18	3	5	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Saviour Southwark 2nd	20440	20	10	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark -	20467	15	9	2	1	-	-	-	2	-	1	-	-	-	-	-	-	-
St. Saviour Southwark W	7462	3	14	3	3	-	-	-	-	-	3	-	-	-	-	-	-	-
St. Saviour Southwark -	20894	9	12	2	3	-	-	-	2	-	-	1	-	-	-	-	-	-
St. Saviour Southwark W	19910	36	33	9	2	-	-	-	13	1	-	-	-	-	-	-	1	2
St. Saviour Southwark L	19346	13	7	2	2	-	-	-	1	-	-	-	-	-	-	-	-	1
St. Saviour Southwark -	6431	5	7	1	4	-	-	-	1	-	-	-	-	-	-	-	-	-
St. Saviour Southwark -	10632	5	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark -	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark WHL†	21297	25	26	5	6	-	-	1	-	-	-	-	-	-	-	1	1	10
St. Saviour Southwark W	23135	32	21	4	3	-	-	-	2	-	-	-	-	-	-	-	-	-
St. Saviour Southwark -	23633	24	9	2	3	-	-	-	-	-	1	-	-	1	-	-	-	-
St. Saviour Southwark -	37834	30	20	6	3	1	-	-	-	-	1	-	-	-	-	-	3	-
St. Saviour Southwark -	8139	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark West	21696	13	13	3	2	-	-	-	1	-	1	-	-	-	-	-	2	-
St. Saviour Southwark WH	18906	10	15	-	6	-	-	-	1	-	-	1	-	-	3	3	9	-
St. Saviour Southwark -	3009	2	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark -	11003	11	5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Saviour Southwark Village W	7372	7	15	5	3	-	-	-	1	-	-	-	-	-	-	-	-	1
St. Saviour Southwark -	10595	11	6	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Saviour Southwark H	9276	3	7	3	-	-	-	-	4	-	-	-	-	-	-	-	1	2
St. Saviour Southwark Dockyard H	22919	12	6	1	1	-	-	-	2	-	-	-	-	-	-	-	-	-
St. Saviour Southwark Arsenal H	18776	27	18	4	1	-	-	-	1	-	1	1	-	-	-	-	3	-
St. Saviour Southwark West	24502	9	12	4	2	-	-	-	1	-	1	-	-	-	-	-	1	-
St. Saviour Southwark East	24502	13	10	5	-	-	-	-	1	1	1	-	1	-	-	1	3	-

following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district. Holborn Workhouse is in Hoxton New Town sub-district.
 The Strand - " " " Tottenham-court sub-district. London City - " " " Mile End Old Town Eastern sub-dist. and
 London City - " " " Islington East. Stepney - " " " Bow sub-district.
 Do. do. - " " " Hackney sub-district. Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7. —METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 17th DECEMBER, 1876.

[Under the Superintendence of the Astronomer Royal.]

[Under the Superintendence of the Astronomer Royal.]

MOON.		BAROMETER.		READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.		
Phases of Moon.	Mean daily reading of reduced to 32° (Fahr. point).	High-est.	Low-est.	Drs.		Dew Point.		Highest in the sun, as an anemometer.		Lowest on the Grass, as a self-registering thermometer.		In the Water of the Thames at Greenwich, by self-registering Thermometers.		Between Dew Point and Air Temperature.		Between mean temperature of the day and the day before, on an average of 50 years.*		Degrees of humidity, complete during the day and night, being represented by 100.		As deduced from Anemometers.				Collected in a gauge receiving horizontal surface is 5 in. above the ground.
				Range in day.	Mean daily value.	Mean daily value.	Mean daily value.	Minimum in vacuum placed on the Grass.	Minimum in vacuum placed on the Grass.	Highest.	Lowest.	Great-est.	Least.	Great-est.	Least.	General Direction.	Pressure on square foot of Air each day.	Osler's.	Robinson's.					
1870.																								
MONTH AND DAY.																								
DECEMBER.																								
..	in.	29-650	38-7	31-4	7-3	34-3	30-6	62-5	27-0	0	3-7	5-8	1-1	0	86	SE.	lbs. 1-0	0-0	178	0-04	..			
..	..	29-159	48-7	32-1	16-6	42-1	40-1	51-4	30-0	..	2-0	5-0	0-0	0	93	SE. & E. sw. & sw.	3-9	0-0	385	0-23	..			
..	..	29-321	48-7	45-7	3-0	47-3	46-2	50-7	39-0	..	1-1	2-3	0-0	0	96	S. by E.	3-2	0-0	324	0-11	..			
..	..	29-022	57-4	46-4	11-0	52-5	49-9	62-3	40-0	..	2-6	5-2	0-0	0	91	SSE. & SW.	14-2	0-0	522	0-39	..			
..	..	29-358	47-7	43-2	4-5	45-2	43-9	49-7	34-2	..	1-3	1-7	0-0	0	95	SSW.	SE. & E.	1-7	0-0	203	0-62	..		
..	..	29-700	44-0	38-5	5-5	40-3	36-5	55-5	35-0	..	3-8	5-5	1-1	0	86	NE. & E.	0-6	0-0	164	0-30	..			
..	..	29-868	41-7	33-5	8-2	37-6	36-0	45-7	28-7	..	1-6	2-9	0-7	0	94	NNE. Calm, NW. & W. by S.	0-2	0-0	159	0-01	..			
..	..	29-440	46-7	38-7	8-0	42-8	40-5	54-0	33-4	..	2-3	4-1	0-4	0	92	SW, SE, NE.	Sum 1936	Sum 1-70	..			
..	..	29-440	46-7	38-7	8-0	42-8	40-5	54-0	33-4	..	2-3	4-1	0-4	0	92	SW, SE, NE.	Sum 1936	Sum 1-70	..			
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..	..	29-440																						

SKY AND ATMOSPHERE.

ELECTRICITY.

NOTES.

The height of the cistern of the barometris is considered to be 15 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from these mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1853, December 31.

* In reading the 17th column it will be borne in mind that + is read "higher," and — "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.75 in, at the beginning of the week to 29.12 in, by noon on the 12th; increased to 29.36 in, 9h. a.m. on the 13th; decreased to 28.94 in, by noon on the 14th; increased to 29.40 in, by 9h. a.m. on the 15th; decreased to 29.30 in, by 4h. p.m. on the same day; and increased to 29.96 in, by the end of the week.

Generally overcast. Rain fell almost continuously from 2h. p.m. onwards.

day. A little rain fell about 10h. A.M. Gloomy and foggy during the afternoon.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 51. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, DECEMBER 24. [Price 1d.

*General Register Office, Somerset House,
27th December 1870.*

DURING the week ending Saturday the 24th instant, 4661 *births* and 3529 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 26 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 22 per 1000; Portsmouth 17, Norwich 24, Bristol 24, Wolverhampton 19, Birmingham 21, Leicester 29, Nottingham 16, Liverpool 44, Manchester 26, Salford 23, Bradford 27, Leeds 27, Sheffield 23, Hull 20, Sunderland 22, and Newcastle-upon-Tyne 25. Small-pox caused 122 deaths in the Seventeen Towns: with the exception of one fatal case each in Hull and Newcastle-upon-Tyne, the whole of these deaths occurred in London and Liverpool. In the latter town there were 38 deaths, and as the population is about one-sixth of that of London, it follows that the fatality of small-pox was nearly three times as great last week in Liverpool as in London.

In Edinburgh the annual rate of mortality last week was 31 per 1000 persons living, in Glasgow 35 per 1000, and in Dublin 28.

It is now 163 days since the Weekly Returns from Berlin, and 98 days since those from Paris, were discontinued on account of the War. In Vienna the annual rate of mortality during the week ending 17th instant was 29 per 1000. In the City of Bombay the deaths registered during the week ending 29th November were 309 (exclusive of still-born), and the mortality was at the annual rate of 20 per 1000. In the City of New York the deaths registered in the week ending 3d December were 476, and in the week ending 10th December 493; the equivalent annual rates of mortality were 27 and 28 per 1000 respectively.

In LONDON the *births* of 1042 boys and 1041 girls, in all 2083 children, were registered last week. The *deaths* registered in the same time were 1377. During the corresponding weeks of ten previous years the registered births averaged 1699, and the deaths 1395 per week; after making due allowance for increase of population, the average for the past week is estimated at 1869 births and 1535 deaths; the registered births, therefore, were 214 above, and the deaths 158 below, the estimated average.

The deaths under 5 years of age were 540, at the ages 5 to 20 years they were 143, at 20 to 40 years 205, at 40 to 60 years 215, at 60 to 80 years 218, and 56 at 80 years and upwards. Of infants in their first year 296 died, and 274 persons aged 60 years and upwards.

Zymotic diseases caused 377 deaths, including 82 from small-pox, 25 from measles, 104 from scarlet fever, 6 from diphtheria, 12 from croup, 33 from whooping-cough, 16 from typhus, 30 from enteric (or typhoid) fever, 1 from relapsing fever, 11 from simple continued fever, 9 from erysipelas, and 9 from diarrhœa.

During the first five weeks of the current quarter the weekly average of deaths from small-pox was 20; in the succeeding six weeks the deaths averaged 49 per week; last week the actual return was 82, being equivalent to an annual rate of 13 deaths to every 10,000 persons living. It is long since so high a small-pox mortality has been recorded in London.

Of the 82 fatal cases, 20 were registered in the North Districts, 13 of which occurred in the Small-pox Hospitals at Islington and Hampstead; in the sub-district of St. John Westminster there were 5 deaths; 38 were registered in the East Districts, exclusive of 4 belonging to those districts registered in the Hampstead Small-pox Hospital. The district of Shoreditch alone returned 18 fatal cases, Whitechapel 6, Mile End Old Town 5, Bethnal-green 4, St. George-in-the-East 3; and Poplar, which has hitherto been almost entirely exempt from the disease, owing, it is said, to a careful administration of the law, returned last week 2 fatal cases. The registrar of the Mile End Old Town Eastern sub-district, which has suffered very severely from small-pox, remarks in reference to the death of a child (10 months old) who had not been vaccinated, that "the father now regrets the neglect."

Forty-one deaths resulted from violence: of these 38 were accidental, including 11 by fractures, 11 by burns or scalds, 5 by drowning, and 7 by suffocation.

Three fatal accidents caused by horses or vehicles in the streets were returned last week: a cabman, aged 40 years, died on 16th instant, at Middlesex Hospital, of fractured skull, by falling from the cab which he was driving; a watchman, aged 64 years, died on 13th instant, at Royal Free Hospital, of injuries from being run over by a van; a painter's wife, aged 57 years, died on 18th instant, at Mile End Road, of injuries from being run over by an omnibus.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·682 in.; the highest was 29·96 in. at the beginning of the week, and the lowest was 29·41 in. on Monday. The mean temperature of the *air* was 33°·0, or 5°·8 below the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 50°·9 on Monday; the lowest night temperature was 15°·3 on Saturday; the entire range of temperature in the week was, therefore, 35°·6. The highest temperature in the sun was 61°·0 on Tuesday. The mean temperature was 9°·3 above the average on Monday, 11°·1 below the average on Wednesday, and the defect on the last three days of the week was from 14° to 15°. During the solar eclipse on Thursday there was a decrease of temperature of about 2°·5. On Saturday the highest shade temperature in the day was 31°·3, and the lowest temperature at night was 15°·3. The difference between the mean *dew-point* temperature and *air* temperature was 6°·0. The mean degree of *humidity* of the air was 78, complete saturation being represented by 100. The general direction of the *wind* was variable, and the horizontal movement of the air amounted to 14 miles per hour. *Rain* or snow fell on four days in the week to the amount of 0·17 in.

The mean temperature of the week in the other large English towns furnishing returns ranged from 30°·5 in Leicester, to 35°·6 in Leeds; the lowest recorded night temperature was 8°·5 in Norwich, and the highest day temperature in the shade was 53°·0 in Bradford. Rain or snow fell in all the towns, the quantities measured ranging from 0·05 in. at Portsmouth, to 1·25 in. at Norwich.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 0°·6; the highest day temperature in the shade was 10°·5; the lowest night temperature was 9°·3 below the freezing point of water; the highest temperature in the sun was 16°·1. The mean temperature of the week on an average of 50 years was 3°·8, or 3°·2 above the temperature of last week. The wind blew at the rate of 22 Kilometres an hour, and the rain-fall was 0·43 centimetres.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 240,364 cubic metres, and at Barking 242,460 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FIFTY-FIRST Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1488	1523	1610	1532	1956	1674	1900	1701	1664	1943	1699·1	2083
Males . . .	734	780	829	805	1007	869	990	887	808	993	869·5	1042
Females . .	754	743	781	727	956	805	910	814	855	950	829·6	1041
TOTAL Deaths	1407	1148	1292	1312	1697	1603	1436	1433	1262	1357	1394·7	1377
Males . . .	682	556	657	649	846	773	753	724	619	705	695·4	705
Females . .	725	592	635	663	851	830	683	709	643	652	698·3	672

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE OF RESULTS in the Last THIRTEEN WEEKS.

	Oct. 1.	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.	Nov. 5.	Nov. 12.	Nov. 19.	Nov. 26.	Dec. 3.	Dec. 10.	Dec. 17.	Dec. 24.
TOTAL Deaths	1277	1279	1416	1334	1266	1343	1468	1639	1652	1482	1586	1737	1377
Deaths under 5 years of age	495	526	579	573	537	568	644	674	712	629	647	688	540
Deaths 5—20	163	150	169	141	123	141	136	150	131	116	159	154	143
Deaths 20—40	173	197	193	183	159	203	195	219	212	193	219	253	205
Deaths 40—60	182	203	233	198	225	198	236	276	214	222	239	278	215
Deaths 60—80	217	166	194	206	179	110	220	265	293	253	280	301	218
Deaths at 80 years & upwards	47	37	43	33	43	43	37	55	60	52	42	63	56
Deaths from Small-pox	13	27	13	17	21	23	40	45	41	60	61	44	82
" " Measles	14	11	19	20	13	27	19	36	24	33	27	27	25
" " Scarlet Fever	171	192	198	192	167	174	150	162	122	130	116	135	104
" " Diphtheria	10	9	11	8	9	7	4	10	5	11	7	9	6
" " Whooping-cough	13	16	20	24	17	10	20	28	26	25	32	44	33
" " Typhus fever	14	12	17	12	6	10	13	12	6	12	12	9	16
" " Enteric (or Typhoid) fever	22	23	22	26	24	20	19	22	28	21	26	23	30
" " Simple Contagious fever	10	19	8	3	7	15	8	13	10	15	16	15	12
" " Diarrhoea	37	35	38	25	29	16	13	18	18	12	13	12	9
" " Simple Cholera	1	1	2	1	1	2	—	—	—	—	1	—	—
" " Phthisis	136	146	155	153	136	148	154	176	165	144	167	173	144
" " Bronchitis	70	82	107	124	117	120	196	216	257	222	244	249	174
" " Pneumonia	56	51	70	72	78	81	95	107	116	89	101	114	75
" " Heart Disease	60	66	58	66	70	61	75	81	75	79	71	74	57
Mean Temperature of the Air	55·7	54·1	47·1	49·7	48·2	44·1	39·1	37·6	46·8	38·9	32·5	42·8	33·0
Mean Temperature of the Water of the Thames }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air	83	86	79	86	88	90	90	90	87	87	89	92	78
Rain-fall in inches	0·00	0·20	0·14	1·33	1·16	0·47	0·04	0·18	0·95	0·01	0·84	1·70	0·17

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna is good enough to supply the returns for that city.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 3.—BIRTHS and DEATHS registered, and METEOROLOGY, during the Week ending Saturday, the 24th day of December 1870, in the following large TOWNS.

CITIES AND BOROUGHES.	Area in Acres.	Estimated Population in the middle of the Year 1870.	Persons to an Acre. (1870.)	BIRTHS registered during the Week ending 24th Dec.	DEATHS registered during the Week ending 24th Dec.	TEMPERATURE OF THE AIR. (FAHRENHEIT.)			TEMPERA- TURE OF THE AIR. (CENTI- GRADE.)	RAIN FALL.	
						Highest during the Week.	Lowest during the Week.	Weekly Mean of the Daily Mean Values.	Weekly Mean of the Daily Mean Values.	In Inches.	In Centi- metre.
Total of 20 TOWNS in the UNITED KINGDOM -	213,281	7,216,325	33·8	4661	3529	53·0	8·5	32·8	0·45	0·60	1·5
LONDON - - -	77,997	3,214,707	41·2	2083	1377	50·9	15·3	33·0	0·56	0·17	0·4
PORTSMOUTH - - -	9,513	122,084	12·8	61	40	51·2	15·4	33·8	1·01	0·05	0·1
NORWICH - - -	7,472	81,087	10·9	45	38	50·0	8·5	31·2	-0·45	1·25	3·1
BRISTOL - - -	4,688	171,382	36·6	97	79	—	—	—	—	—	—
WOLVERHAMPTON - - -	3,387	72,990	21·5	50	27	51·6	12·9	30·9	-0·61	1·00	2·5
BIRMINGHAM - - -	7,831	369,604	47·2	235	150	51·6	10·8	32·6	0·34	0·63	1·6
LEICESTER - - -	3,200	97,427	30·4	54	54	51·2	9·0	30·5	-0·83	1·06	2·6
NOTTINGHAM - - -	1,996	88,888	44·5	51	28	50·9	10·7	32·5	0·23	0·60	1·5
LIVERPOOL - - -	5,108	517,567	101·3	312	434	49·8	18·2	32·6	0·34	0·86	2·1
MANCHESTER - - -	4,486	374,993	83·6	227	189	—	—	—	—	—	—
SALFORD - - -	5,172	121,580	23·5	75	53	51·5	12·2	30·6	-0·78	1·03	2·6
BRADFORD - - -	6,590	143,197	21·7	114	74	53·0	16·6	32·1	0·06	0·20	0·5
LEEDS - - -	21,572	259,527	12·0	156	133	52·0	19·0	35·6	2·01	0·49	1·2
SHEFFIELD - - -	22,830	247,378	10·8	208	108	51·0	13·5	33·4	0·78	0·59	1·5
HULL - - -	3,562	130,869	36·7	80	51	—	—	—	—	—	—
SUNDERLAND - - -	3,306	100,979	30·5	78	43	—	—	—	—	—	—
NEWCASTLE-ON-TYNE - - -	5,336	133,367	25·0	97	64	—	—	—	—	—	—
EDINBURGH - - -	4,427	178,970	40·4	135	105	50·7	16·0	35·2	2·78	0·00	0·00
GLASGOW - - -	5,063	468,189	92·5	341	312	50·6	15·1	33·3	0·72	0·43	1·10
DUBLIN - - -	9,745	321,540	33·0	162	170	52·0	16·0	34·5	1·89	—	—
PARIS - - -	19,279	1,889,842	98	—	—	—	—	—	—	—	—
VIENNA - - -	9,212*	622,087	68	Week ending 17 Dec. 1870.	Week ending 17 Dec. 1870.	—	—	Week ending 17th December 1870.	—	—	—
				—	344	—	—	35·2	1·75	—	—
BERLIN - - -	15,451	800,000	52	Week ending 22 Dec. 1870.	Week ending 22 Dec. 1870.	—	—	Week ending 22d December 1870.	—	—	—

* The area of Vienna is exclusive of the Prater.

TABLE 4.—DEATHS and RATE OF MORTALITY in 17 large ENGLISH TOWNS, and in DUBLIN, during the Week ending Saturday the 24th day of December 1870.

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)	ANNUAL RATE OF MOR- TALITY per 1000 living.	DEATHS from ALL CAUSES.	The DEATHS registered in the Week include											
			Under 1 Year of Age.	60 Years of Age and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarthosa.	Violence.	Inquest Cases.	In Public Houses.
Total of 17 TOWNS -	25	2942	689	562	122	66	206	15	72	133	22	89	155	436
LONDON - - -	22	1377	296	274	82	25	104	6	33	58	9	41	77	233
PORTSMOUTH - - -	17	40	9	12	—	—	1	—	—	3	1	—	—	5
NORWICH - - -	24	38	8	12	—	1	5	—	4	1	—	1	1	0
BRISTOL - - -	24	79	20	14	—	—	7	—	—	—	1	2	3	4
WOLVERHAMPTON - - -	19	27	8	4	—	1	1	—	—	—	—	—	—	—
BIRMINGHAM - - -	21	150	36	21	—	3	8	2	10	7	—	7	15	17
LEICESTER - - -	29	54	11	9	—	1	14	1	1	3	1	1	1	8
NOTTINGHAM - - -	16	28	4	10	—	—	3	—	—	—	—	1	4	4
LIVERPOOL - - -	44	434	113	85	38	14	32	2	15	41	2	15	17	92
MANCHESTER - - -	26	189	41	38	—	5	6	1	3	4	4	9	12	28
SALFORD - - -	23	53	14	14	—	—	2	—	—	1	1	1	2	3
BRADFORD - - -	27	74	21	13	—	1	8	—	1	1	—	1	—	4
LEEDS - - -	27	133	33	22	—	11	5	—	—	3	—	1	3	9
SHEFFIELD - - -	23	108	32	11	—	3	4	—	3	5	—	3	7	6
HULL - - -	20	51	19	10	1	—	2	—	—	1	2	2	5	6
SUNDERLAND - - -	22	43	9	3	—	—	2	3	1	1	1	1	2	1
NEWCASTLE-ON-TYNE - - -	23	64	15	10	1	1	4	—	1	4	—	3	6	12
DUBLIN - - -	23	170	28	38	—	—	14	2	9	7	6	4	6	36

TABLE 5.—DEATHS in LONDON Registered in the FIFTY-FIRST Week of the Year 1870.

CAUSES OF DEATH.	Averages of the Fifty-first Week in the 10 years 1860-69.	In the Week ending Saturday, December 24, 1870.								CAUSES OF DEATH.	Averages of the Fifty-first Week in the 10 years 1860-69.	In the Week ending Saturday, December 24, 1870.							
		Deaths of Persons of the Ages										Deaths of Persons of the Ages							
		ALL AGES.	Under 20.		40.	60.	80.	90.	Years and upwards.			ALL AGES.	Under 20.		40.	60.	80.	90.	Years and upwards.
			Mean Tem.	0-5.									5-20.	Mean Tem.						0-5.	5-20.
Mean Temperature -	38° 8'	33° 0'	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.	Mean Temperature -	38° 8'	33° 0'	0-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.		
ALL CAUSES -	1394·7	1377	540	143	205	215	218	56	9. Stricture of Intestines -	9	-	-	-	-	-	-	-		
SPECIFIED CAUSES	1373·8	1374	538	143	205	214	218	56	10. Fistula -	6·2	4	-	-	2	1	1	-		
ZYMOTIC DISEASES.									11. Stomach Disease, &c. -	-	-	-	-	-	-	-	-		
ORDER 1.									12. Pancreas Disease, &c. -	-	-	-	-	-	-	-	-		
Small-pox -	13·6	82	35	25	19	3	-	-	13. Hepatitis -	2·7	2	-	-	1	-	1	-		
Measles -	38·4	25	24	1	-	-	-	-	14. Jaundice -	3·2	3	-	-	-	1	1	1		
Scarlet Fever (Scarlatina) -	62·9	104	71	27	5	1	-	-	15. Liver Disease, &c. -	13·8	12	-	-	2	3	7	-		
Diphtheria -	12·2	6	4	1	1	-	-	-	16. Spleen Disease, &c. -	2	-	-	-	-	-	-	-		
Quinsy -	1·8	1	-	-	-	-	-	-	ORDER 5.										
Croup -	17·9	12	10	1	-	-	-	-	1. Nephritis -	1·1	1	1	-	-	-	-	-		
Whooping-cough -	52·8	33	32	1	-	-	-	-	2. Ischuria -	1	-	-	-	-	-	-	-		
Typhus -	-	16	-	6	8	1	1	-	3. Bright's Disease (Nephria) -	8·2	6	1	-	-	4	1	-		
Enteric or Typhoid Fever -	52·7	30	4	14	7	4	1	-	4. Diabetes -	1·1	2	-	-	1	-	1	-		
Simple continued Fever -	-	12	3	2	2	3	1	1	5. Calculus (Stone) -	1·6	1	-	-	-	1	1	-		
Erysipelas -	8·3	9	2	-	-	3	1	1	6. Cystitis -	1·3	2	-	-	-	1	1	-		
Puerperal Fever (Metria) -	4·1	3	-	-	3	-	-	-	7. Kidney Disease, &c. -	7·7	8	-	-	1	3	4	-		
Carbuncle -	1·5	-	1	-	-	-	-	-	ORDER 6.										
Influenza -	1·7	2	-	-	1	1	-	-	1. Ovarian Dropsy -	7	-	-	-	-	-	-	-		
Dysentery -	12·4	9	5	-	-	2	2	-	2. Uterus Disease, &c. -	5·5	3	-	-	-	3	-	-		
Diarrhoea -	-	-	-	-	-	-	-	-	ORDER 7.										
Simple Cholera -	2	-	-	-	-	-	-	-	1. Synovitis (Arthritis) -	3	1	-	-	3	1	-	-		
Ague -	7	-	-	-	-	-	-	-	2. Joint Disease, &c. -	3·2	4	-	-	-	-	1	-		
Remittent Fever -	1·3	-	-	-	-	-	-	-	ORDER 8.										
Rheumatism -	7·8	7	-	3	1	1	1	1	1. Phlegmon -	2·3	-	-	-	-	-	-	-		
Other Zymotic Diseases -	1	-	-	-	-	-	-	-	2. Ulcer -	1·8	1	-	-	-	-	1	-		
ORDER 2.									3. Skin Disease, &c. -	1·1	1	1	-	-	-	-	-		
Syphilis -	6·7	7	6	-	1	-	-	-	IV. DEVELOPMENTAL DISEASES.										
Stricture of Urethra -	7	1	-	-	-	1	-	-	ORDER 1.										
Hydrophobia -	-	-	-	-	-	-	-	-	1. Premature Birth -	21·0	15	15	-	-	-	-	-		
Glanders -	1	-	-	-	-	-	-	-	2. Cyanosis -	1·1	3	3	-	-	-	-	-		
ORDER 3.									3. Spina Bifida -	1·6	1	1	-	-	-	-	-		
Privation -	5	-	-	-	-	-	-	-	4. Other Malformations -	1·9	-	-	-	-	-	-	-		
Want of Breast-milk -	8·3	9	9	-	-	-	-	-	5. Teething -	13·7	11	11	-	-	-	-	-		
Purpura and Scoury -	1·1	1	-	-	-	-	1	-	ORDER 2.										
Alco- (a Del. Tremens) -	1·1	3	-	-	3	-	-	-	1. Paramenia -	6	-	-	-	-	-	-	-		
Olism (b Intemperance) -	2·3	1	-	-	-	-	1	-	2. Childbirth (see Puer- peral Fever) -	5·4	11	-	1	9	1	-	-		
ORDER 4.									ORDER 3.										
Thrush -	2·3	3	3	-	-	-	-	-	1. Old Age -	55·3	56	-	-	-	-	25	31		
Worms, &c. -	1	-	-	-	-	-	-	-	ORDER 4.										
ONSTITUTIONAL DIS.									1. Atrophy and Debility -	55·1	45	38	-	1	1	5	-		
ORDER 1.									V. VIOLENT DEATHS, &c.										
Gout -	1·9	2	-	-	-	2	-	-	ORDER 1.										
Dropsy -	13·8	11	-	-	-	4	5	2	(ACCIDENT OR NEGLIGENCE.)										
Cancer -	23·8	24	-	-	2	15	6	1	1. Fractures and Contusions -	13·9	11	-	-	2	5	4	-		
Cancerum Oris (Noma) -	6	-	-	-	-	-	-	-	2. Wounds -	5	1	-	-	1	-	-	-		
Mortification -	3·1	7	1	-	1	-	3	2	3. Burns and Scalds -	8·7	11	5	6	-	-	-	-		
ORDER 2.									4. Poison -	1·2	1	1	-	-	-	-	-		
Scrofula -	8·9	9	2	7	-	-	-	-	5. Drowning -	3·8	5	-	-	1	2	2	-		
Tubes Mesenterica -	13·2	14	14	-	-	-	-	-	6. Suffocation -	10·2	7	7	-	-	-	-	-		
Phthisis -	148·1	144	6	14	74	46	4	-	7. Otherwise -	2·4	2	-	-	1	1	-	-		
Hydrocephalus -	26·1	19	17	2	-	-	-	-	ORDER 3.										
LOCAL DISEASES.									(HOMICIDE.)										
ORDER 1.									1. Murder and Manslaughter	2·3	-	-	-	-	-	-	-		
Cephalitis -	10·6	24	13	5	4	1	1	-	ORDER 4.										
Apoplexy -	36·7	42	2	-	7	12	20	1	(SUICIDE.)										
Paralysis -	28·7	23	-	-	1	5	17	-	1. Wounds { Gunshot Cut, Stab	1	-	-	-	-	-	-	-		
Insanity -	2·6	1	-	-	1	-	-	-	2. Poison -	1·1	-	-	-	-	-	-	-		
Chorea -	4	1	-	1	-	-	-	-	3. Drowning -	3	-	-	-	-	-	-	-		
Epilepsy -	6·2	2	-	1	1	-	-	-	4. Hanging -	1·7	1	-	-	-	-	1	-		
Convulsions -	44·2	50	50	-	-	-	-	-	5. Otherwise -	4	2	-	-	1	1	-	-		
Brain Disease, &c. -	16·7	12	2	1	1	4	3	1	ORDER 5.										
ORDER 2.									(EXECUTION.)										
Pericarditis -	1·7	-	-	-	-	-	-	-	1. Hanging -	-	-	-	-	-	-	-	-		
Aneurism -	2·4	3	-	-	1	2	-	-	Violent Deaths (not classed)	-	-	-	-	-	-	-	-		
Heart Disease, &c. -	63·8	57	1	5	9	25	15	2	Sudden Deaths (Cause un- ascertained)	3·4	-	-	-	-	-	-	-		
ORDER 3.									Causes not specified or ill- defined	17·5	3	2	-	-	1	-	-		
Laryngitis -	8·9	7	6	-	1	-	-	-											
Bronchitis -	185·9	174	77	4	9	26	51	7											
Pleurisy -	37·8	7	2	3	2	-	-	-											
Pneumonia -	88·1	75	46	5	4	10	9	1											
Asthma -	15·0	14	-	1	3	5	5	-											
Lung Disease, &c. -	17·7	16	6	1	-	2	5	2											
ORDER 4.																			
Gastritis -	1·0	1	-	-	-	-	1	-											
Enteritis -	4·2	3	2	1	-	-	-	-											
Peritonitis -	4·3	10	-	4	2	3	1	-											
Ascites -	2·4	4	-	-	-	4	-	-											
Ulceration of Intestines -	2·0	-	-	-	-	-	-	-											
Hæmorrhoids -	3·8	4	-	-	2	1	-	1											
Leucæmia -	2·5	2	-	-	-	-	2	-											
Intussusception -	1·3	1	-	-	-	1	-	-											

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET, during the Week ending

The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Erysipelas (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.
LONDON	2,303,989	2093	1377	296	274	82	25	104	6	33	16	30	12	9	41	77
WEST DISTRICTS.																
St. Mary Paddington WH	39015	46	21	11	2	-	-	2	1	1	-	-	-	-	2	2
St. John Paddington H	35769	14	7	1	1	-	-	-	-	-	-	-	-	-	-	-
Kensington Town W	51910	53	32	3	11	2	-	3	-	12	-	2	-	-	-	-
Brompton H	18198	6	13	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Peter Hammersmith	5415	7	2	1	1	-	1	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith H	19104	22	13	5	1	-	1	1	-	-	1	-	-	1	-	1
Fulham WL	15539	16	9	2	1	-	-	-	-	-	-	-	-	-	-	-
Chelsea South H	21654	17	8	2	2	-	-	3	-	-	-	-	-	-	-	-
Chelsea North-west HW	19849	16	21	4	4	-	-	-	-	1	-	1	-	-	1	-
Chelsea North-east	21886	11	8	3	1	-	-	-	-	-	-	-	-	-	-	-
Hanover Square	19773	6	6	-	2	-	1	1	-	-	-	-	-	-	-	-
May Fair W	12835	4	3	1	1	-	-	-	-	-	-	-	-	-	-	-
Belgrave H	53113	25	30	4	3	-	2	1	-	-	-	1	-	-	2	4
St. John Westminster H	37483	21	29	5	2	5	1	5	-	3	-	-	-	1	-	-
St. Margaret Westminster WH	30730	6	20	6	3	-	2	1	-	-	-	-	-	-	1	2
St. James's Square	10751	3	2	1	-	-	-	-	-	1	-	-	-	-	-	-
Golden Square W	13946	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berwick-street	10607	7	4	-	-	-	-	-	-	2	-	-	-	-	-	-
St. Anne Soho	17426	10	7	1	2	-	-	-	-	-	-	2	1	-	-	-
NORTH DISTRICTS.																
All Souls Marylebone H	20992	16	13	-	3	-	-	-	-	-	-	-	-	-	3	3
Canvondish Square	15991	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Rectory Marylebone W	26662	8	16	3	5	-	-	-	-	-	-	2	-	-	-	-
St. Mary Marylebone H	22493	23	5	2	-	-	-	1	-	-	-	-	-	-	-	-
Christchurch Marylebone	34913	10	9	3	2	-	-	-	-	-	-	-	-	-	-	-
St. John Marylebone	32540	18	13	2	5	-	-	1	-	1	1	-	-	-	-	-
Hampstead WH	19106	11	17	-	4	5	-	-	1	-	-	-	-	-	-	-
Regent's Park Pancras	34927	17	13	5	3	-	1	1	-	1	-	1	-	-	1	-
Tottenham-court WH	29371	21	10	-	3	-	-	1	-	-	-	-	-	-	-	-
Gray's Inn Lane H	27808	18	10	-	1	1	-	-	-	-	-	1	-	-	2	4
Somers Town	39999	35	8	8	1	-	-	-	-	-	-	-	-	-	-	-
Caunden Town W	23265	17	17	6	5	-	-	1	-	-	-	-	-	-	-	2
Kentish Town	44317	45	21	5	3	1	-	4	-	1	-	-	-	-	-	-
Islington West* WHH	75442	77	47	10	7	8	-	5	-	-	3	4	-	-	-	-
Islington East WH	79850	76	42	11	14	3	-	5	-	1	1	-	-	-	1	4
Stoke Newington	6603	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stamford Hill	5483	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-
West Hackney	24265	19	12	3	4	1	-	-	-	1	-	-	-	-	-	-
Hackney WH	31481	30	30	8	10	1	1	6	-	1	1	-	-	-	-	-
South Hackney L	15138	13	10	4	1	-	-	1	-	-	-	-	-	-	-	-
CENTRAL DISTRICTS.																
St. George Bloomsbury	17392	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-
St. Giles South WH	19483	14	19	4	4	-	-	-	-	-	-	-	-	-	-	-
St. Giles North	17201	11	10	3	2	-	-	2	-	-	-	-	-	-	-	-
Long Acre	11618	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Charing Cross WH	11071	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Mary-le-Strand	10346	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H	13207	4	7	-	3	-	-	-	-	-	-	-	-	-	-	1
St. George-the-Martyr H	19903	4	15	-	4	-	-	1	-	-	-	-	-	-	-	-
St. Andrew East Holborn W	12947	6	9	2	2	-	-	-	-	-	1	-	-	-	-	2
Saffron Hill	12012	4	4	1	-	-	1	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W	19152	13	10	3	1	3	-	-	-	-	-	1	-	-	1	1
Anwell Clerkenwell	17250	9	4	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentonville	18079	8	5	1	2	-	-	-	-	1	-	-	-	-	-	1
Goswell-street	16290	16	8	3	1	-	-	-	-	-	-	-	1	-	-	-
Old-street	11504	14	4	1	-	1	-	1	-	-	-	-	-	-	-	-
City-road HL	17860	33	9	1	2	-	1	1	-	-	-	-	-	-	-	1
Whitecross street	14778	8	7	4	-	1	-	-	-	-	-	-	-	-	1	-
Finsbury	12931	4	5	-	1	1	-	-	-	-	-	-	-	-	-	-
St. Botolph East London	20990	2	6	-	2	1	-	1	-	-	-	-	-	-	-	-
Cripplegate	18637	7	9	1	2	1	-	-	-	-	-	-	-	-	-	-
St. Sepulchre WH	11750	7	18	1	1	-	-	-	-	-	-	1	-	-	4	3
St. Bride W	15395	7	6	1	-	-	-	-	-	-	-	-	-	-	1	1
Castle Baynard	7762	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Christchurch	9023	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
Queenhithe	8570	1	2	-	1	-	-	-	-	1	-	-	-	-	1	1
Allhallows Barking	8659	2	4	-	1	1	-	1	-	-	-	-	-	-	-	-
Broad Street	11544	6	3	-	-	-	-	-	-	-	1	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

w—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

ER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
 rday, 24th December 1870.

		The DEATHS registered in the Week include																
REGISTRARS' SUB-DISTRICTS.		POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.
EAST DISTRICTS.																		
Wywell Shoreditch	-	17313	12	4	1	-	1	1	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch	L†	19188	10	7	3	4	1	1	-	-	-	-	-	-	-	-	-	-
ton New Town	w	26316	19	19	4	3	1	4	-	-	-	-	-	-	-	-	-	-
ton Old Town	-	25777	15	13	3	-	1	3	-	-	-	-	-	-	-	-	-	-
gerstone West	W	23260	14	10	-	1	2	3	-	-	-	-	-	-	-	-	-	-
gerstone East	-	17310	9	7	2	-	1	2	-	-	-	1	-	-	-	-	-	-
ckney road	-	26298	23	12	4	2	2	2	-	-	1	-	-	-	-	-	-	-
en, Bethnal Green	WHL†	31730	33	20	5	5	1	1	-	-	-	-	-	-	-	-	-	-
urch, Bethnal Green	-	23528	22	9	4	1	1	-	-	1	-	-	-	1	-	-	-	-
wn, Bethnal Green	-	21486	13	7	1	-	1	-	-	1	-	-	-	-	-	-	-	-
illery Whitechapel	-	4557	3	3	1	-	1	-	-	-	-	-	-	-	-	-	-	-
talfields	-	15700	15	9	2	-	2	-	1	-	1	-	-	-	-	-	1	-
le End New Town	W	15392	14	14	4	6	3	-	-	-	-	-	1	-	1	-	-	8
itchapel North	-	12122	5	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
itchapel Church	H	8062	12	13	2	2	-	-	-	-	-	-	-	-	-	3	4	9
odman's Fields	-	11166	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
igate	-	9971	2	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Mary St. George East	-	18181	12	6	2	1	2	-	-	-	1	-	-	-	-	1	1	-
Paul St. George East	-	21015	18	6	4	-	1	-	1	-	-	-	-	-	-	-	-	-
John St. George East	W	8695	6	8	-	2	-	-	1	-	-	-	-	-	1	-	1	4
ndwell W	-	12337	5	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
teliff WH	-	16874	5	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-
nehouse W	-	27161	16	7	1	-	-	-	1	1	1	-	-	-	-	-	-	-
le End Old Town West	-	38747	24	12	2	2	-	1	-	-	-	-	-	-	-	-	1	-
le End Old Town East	Ww	39317	37	20	3	4	5	-	1	-	-	-	-	-	-	1	3	2
w WwL†	-	35667	53	32	8	6	2	-	3	-	3	1	-	1	-	-	-	6
ptar W	-	43529	25	19	6	4	-	-	1	-	-	-	1	-	-	-	-	3
SOUTH DISTRICTS.																		
ristchurch Southwark	W	17069	10	5	2	1	-	1	-	-	-	-	-	-	-	1	1	-
Saviour Southwark	H	19101	10	5	2	1	-	-	1	-	-	-	-	-	-	1	-	-
nt-road	-	19652	19	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-
rough-road	W	16668	12	4	-	1	-	-	1	-	-	-	-	-	-	-	-	-
ndon road	L	19190	15	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-
inity Newington	-	23075	17	6	2	1	1	-	-	-	-	-	-	-	-	1	2	-
Peter Walworth	W	44463	32	23	3	7	-	3	-	-	-	-	-	-	-	-	-	8
Mary Newington	H	15082	16	10	-	1	1	-	1	-	-	-	-	1	-	-	-	2
Olive Southwark	H	7663	9	10	1	1	-	-	-	-	-	-	-	-	-	-	-	-
John Horsleydown	W	11393	-	10	-	3	1	-	-	-	-	-	-	-	-	3	3	9
ather Market	-	16696	9	6	-	1	1	-	-	-	1	-	1	-	-	2	2	3
Mary Magdalen	W	16505	18	12	3	1	-	-	1	-	-	-	-	-	-	-	-	1
James Bermondsey	-	25154	39	25	7	3	1	-	-	1	1	-	1	-	1	1	2	-
therhithe W	-	24502	21	13	4	2	1	-	2	-	-	-	-	-	1	1	1	2
aterloo-road 1st	-	15269	14	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-
aterloo-road 2nd	H	13640	17	5	1	1	-	1	-	-	-	1	-	-	-	-	-	-
ambeth Church 1st	-	19839	17	8	2	2	-	-	1	-	-	-	1	-	-	-	-	-
ambeth Church 2nd	W	29542	24	22	3	7	1	3	1	-	-	-	1	-	1	1	1	9
ennington 1st	-	30785	21	16	4	6	-	1	-	-	-	-	-	1	-	-	-	-
ennington 2nd	-	20440	15	7	-	3	-	-	1	-	-	-	-	-	-	-	-	-
ixton	-	20667	26	14	4	3	-	-	1	-	-	-	1	-	-	-	-	-
orwood W	-	7462	11	6	-	1	1	-	-	-	1	-	-	-	-	-	-	-
apham	-	20894	19	8	3	3	-	-	-	-	-	-	-	-	-	-	-	-
attersea W	-	19600	55	24	9	4	-	-	3	-	2	-	1	1	-	-	-	-
andasvorith L	-	13346	8	8	1	1	-	-	1	-	-	-	-	-	-	-	-	5
atney	-	6481	6	5	-	-	-	2	-	-	-	-	-	-	-	-	-	-
reatham	-	10082	10	4	-	1	-	-	1	-	-	-	-	1	-	-	-	-
ulwich	-	1723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
amberwell WL†L†	-	21297	16	15	3	3	-	-	2	1	-	-	-	-	-	-	1	3
eckham W	-	26135	30	19	3	9	-	-	1	-	-	-	1	-	-	-	-	-
George Camberwell	-	20533	23	9	2	4	-	-	-	-	1	-	-	-	-	-	-	-
Paul Deptford	-	37884	37	25	10	3	-	-	3	-	-	-	-	-	-	-	1	-
Nicholas Deptford	-	8139	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
reenwich West	-	21696	12	9	2	2	-	-	1	-	2	-	-	-	-	1	1	4
reenwich East WH	-	18806	8	9	1	4	-	-	1	-	-	-	-	-	-	-	-	-
itham	-	3009	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ee	-	11003	6	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ewisham Village W	-	7872	12	3	1	-	-	-	1	-	-	-	1	-	-	-	-	-
edenham	-	10595	14	4	1	1	-	-	-	1	-	-	-	-	-	-	-	-
harlton H	-	9276	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
oolwich Dockyard H	-	22919	8	10	4	-	-	-	3	-	-	-	-	-	1	-	1	-
oolwich Arsenal H	-	18776	11	8	1	3	-	-	1	-	-	-	-	-	-	-	-	-
lumstead West	-	11	5	2	1	-	-	-	2	-	-	-	-	-	-	-	-	-
lumstead East	-	24502	9	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w) :

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.	Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " Tottenham-court sub-district.	London City " " Mile End Old Town Eastern sub-dist. and
London City " " Islington East.	Stepney " " Bow sub-district.
Do. do. " " Hackney sub-district.	

† Lunatic Asylums where paupers are admitted.

TABLE 7.—METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 24th DECEMBER, 1870.

[Under the Superintendence of the Astronomer Royal.]

READINGS OF THERMOMETERS.										DIFFERENCE				WIND.				RAIN.			
MOON.		BAROMETER.		DRY.		DEW POINT.		HIGHEST IN THERMOMETER.		LOWEST IN THERMOMETER.		IN THE WATER OF GREENWICH THERMOMETERS.		BETWEEN DEW POINT AND TEMPERATURE.		BETWEEN MEAN TEMPERATURE OF AIR AND MEAN TEMPERATURE OF SURFACE OF WATER.		AS DEDUCED FROM ANEMOMETERS.		COLLECTED IN A GLASS.	
PHASES OF MOON.		MEAN DAILY READING (corrected to 32° Fahr.).		RANGE IN DAY.		MEAN DAILY VALUE.		MEAN DAILY VALUE.		MEAN DAILY VALUE.		MEAN DAILY VALUE.		MEAN DAILY VALUE.		MEAN DAILY VALUE.		GENERAL DIRECTION.		AMOUNT OF RAIN.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
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		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
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		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
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		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
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		in.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		High-est.		Low-est.		General Direction.		Amount of Rain.	
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NOTES.

The height of the sitem of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's thin glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of the tables published by James Glaisher, F.R.S., from five years' observations ending 1845, December 31. See *Phil. Trans.*, part 1, 1848. The mean daily wet bulb thermometers by Glaisher's Hygrometrical Tables, 2nd edition. The results for mean daily temperature of the air, or the numbers exhibited in the 17th column, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to the observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863. See *Phil. Trans.*, part 1, 1868. In reading the 17th column it will be borne in mind that it is read "higher," and "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.96 in. at the beginning of the week to 29.41 in. by 9h. P.M. on the 18th; increased to 29.79 in. by noon on the 23d; decreased to 29.76 in. by 3h. P.M. on the same day; increased to 29.83 in. by 9h. A.M. on the 23d; and decreased to 29.57 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN NINETEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 52. 1870. VOL. XXXI.] WEEK ENDING SATURDAY, DECEMBER 31. [Price 1½d.

*General Register Office, Somerset House,
2d January 1871.*

DURING the week ending Saturday the 31st ultimo, 5061 *births* and 4289 *deaths* were registered in LONDON and NINETEEN other LARGE CITIES and TOWNS of the UNITED KINGDOM; and the aggregate mortality of the week was in the ratio of 31 deaths annually to every 1000 of the present estimated population.

The annual rates of mortality last week in the SEVENTEEN ENGLISH CITIES and TOWNS, stated in the order of their topographical arrangement, were as follow:—London 29 per 1000; Portsmouth 18, Norwich 41, Bristol 39, Wolverhampton 28, Birmingham 31, Leicester 29, Nottingham 35, Liverpool 49, Manchester 35, Salford 29, Bradford 28, Leeds 30, Sheffield 25, Hull 28, Sunderland 29, and Newcastle-upon-Tyne 26. Small-pox caused 149 deaths in the Seventeen Towns, of which 110 occurred in London, 36 in Liverpool, one in Manchester, one in Salford, and one in Leeds. Liverpool continues to experience a much higher rate of mortality from small-pox than London. The death-rate from all causes last week in Liverpool was 20 per 1000 in excess of that of London: of 489 deaths from all causes, 165 resulted from zymotic diseases, including 35 from fever, of which 19 were cases of relapsing fever.

It is now 170 days since the Weekly Returns from Berlin, and 105 days since those from Paris, were discontinued on account of the war. In Vienna the annual rate of mortality during the week ending 24th ultimo was 29 per 1000. In the City of New York the deaths registered in the week ending 17th December were 451, and the equivalent annual rate of mortality was 25 per 1000.

In LONDON the *births* of 1076 boys and 965 girls, in all 2041 children, were registered last week. The *deaths* registered in the same time were 1760. During the corresponding weeks of ten previous years the registered births averaged 1951, and the deaths 1554 per week; after making due allowance for increase of population, the average for the past week is estimated at 2146 births and 1709 deaths; the registered births, therefore, were 105 below, and the deaths 51 above, the estimated average.

Zymotic diseases caused 419 deaths, including 110 from small-pox, 29 from measles, 110 from scarlet fever, 8 from diphtheria, 15 from croup, 49 from whooping-cough, 10 from typhus, 21 from enteric (or typhoid) fever, 1 from relapsing fever, 12 from simple continued fever, 10 from erysipelas, and 6 from diarrhoea.

The fatality of small-pox is rapidly increasing. During the first 13 weeks of the year 1870 the number of fatal cases registered was 99; in the next 13 weeks the number was 118; in the following 13 weeks of the summer quarter the deaths rose to 157; and in the last 13 weeks of the year they amounted to 584. Altogether there were 958 fatal cases registered in the 52 weeks of 1870. The epidemic having developed itself late in the year, its fatality cannot yet be compared with that of the epidemics of 1866 and 1867, or with that of the severer epidemic of 1863; but taking the five weeks of greatest small-pox mortality in each of the years, the weekly average of fatal cases was 40 in 1866, 46 in 1867, 67 in 1863, and 71 during the last five weeks.

Of the 110 deaths from small-pox last week, 17 were returned from the West Districts, 27 from the North Districts, 5 from the Central Districts, 47 from the East Districts, and 14 from the South Districts. There were 12 fatal cases (nearly all of unvaccinated children) in the sub-district of St. John Westminster,

out of a total of 38 deaths from all causes. In the Hampstead Small-pox Hospital there occurred 6 fatal cases; 3 of these came from the East Districts, one from Marylebone, one from Holborn, and one from Fulham. In the Small-pox Hospital at Islington 11 fatal cases were registered, but none of them came from the East Districts.

Eighty deaths resulted from violence: of these 70 were accidental, including 25 by fractures, 13 by burns or scalds, and 25 (children) by suffocation.

Six fatal accidents caused by horses or vehicles in the streets were returned last week: an ostler, aged 71 years, died on 20th ultimo, at St. Mary's Hospital, of fractured skull, from being knocked down by a dog cart; a boy, aged 6 years, was run over and killed by a van on 19th ultimo, near St. George's Hospital; a soldier, aged 40 years, died on 26th ultimo, at University College Hospital, of injuries caused by being run over by a cab whilst drunk; a girl, aged 8 years, died on 17th ultimo, at Wellington-road, Islington, of injuries from being run over by a horse and cart; an errand boy, aged 15 years, died on 26th ultimo, at London Hospital, of injuries from being run over by a chaise cart; a girl, aged 11 years, died on 2d ultimo, at St. Thomas's Hospital, of injuries from being run over by a Hansom cab.

The total number of fatal street accidents from horses or vehicles registered during the year now completed is 198, while, all other things being equal, the experience of former years rendered it probable that 225 fatal accidents would have occurred in that time; the actual number has, therefore, fallen short of the probable number by 27. The diminution, it may be hoped, is due to some additional care on the part of drivers and of the public.

Professor Frankland, in his report on the quality of the Metropolitan water supply during the month of December, states that with one exception all the waters were delivered in a clear and transparent condition. A sample of the Chelsea Company's water taken on the 12th December was "slightly turbid, owing to imperfect filtration:" a week later another sample was "very turbid and of repulsive appearance;" no living organisms were detected amongst the suspended matter, but Dr. Frankland states that the water was unfit for domestic use without previous filtration.

Dr. Frankland continues to show the excellent effect of Clark's softening process, as applied to his own domestic supply from the Grand Junction Company. "The water so purified," he says, "is bright and sparkling and pleasant to the taste; unlike the water as delivered by the Company, it does not curdle soap and block up the pores of the skin with an unctuous and dirty solid when it is used for personal ablution."

The public cannot be too strongly impressed with the repeated expression of Dr. Frankland's opinion that there is no reason, except that of the slight expense involved, why the whole of the water supply of London should not be purified by Clark's process before delivery to the consumers. The successful working of the process on a large scale at Canterbury, Tring, Caterham, and other places, suffices to show the practicability of applying it with equal success by the London Water Companies.

At the Royal Observatory, Greenwich, the mean reading of the *barometer* was 29·802 in.; the highest was 30·13 in. on Saturday morning, and the lowest was 29·53 in. on Christmas Day. The mean temperature of the *air* was 25°·7, or 11°·7 below the mean temperature of the corresponding week in 50 years (1814-63) as determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory. The highest day temperature in the shade was 33°·7 on Thursday; the lowest night temperature was 9°·8 on Christmas Day; the entire range of temperature in the week was, therefore, 23°·9. The highest temperature in the sun was 54°·5 on Thursday. The mean temperature was below the average on Christmas Day 17°, on Friday 13°·4, and 14°·2 on Saturday. The mean temperature was below freezing point on every day during the week, the highest being 29°·6 on Wednesday. The difference between the mean *dew-point* temperature and *air* temperature was 3°·6. The mean degree of *humidity* of the air was 85, complete saturation being represented by 100. The general direction of the *wind* was N.E., and the horizontal movement of the air amounted to 7·6 miles per hour. No *rain* fell during the week, but there was snow on five days, and the measured quantity of melted snow amounted to 0·42 in.

The total rain-fall (including melted snow) at Greenwich during the month of December was 3·1 in. or 1·2 in. above the average of the same month in 54 years. The total rain-fall of the completed year 1870 was 18·6 in., showing a deficiency of 6·8 in. as compared with the average fall during 54 previous years.

The mean temperature of the week in the other large English towns furnishing returns ranged from 21°·9 in Wolverhampton, to 30°·2 in Newcastle-upon-Tyne. On Christmas Day the lowest recorded night temperatures were 5°·5 in Norwich, 7°·0 in Leicester, 8°·7 in Nottingham, and 9°·3 in Wolverhampton. The highest day temperature in the shade was 40°·0 in Newcastle-upon-Tyne. Rain, or its equivalent in melted snow, was measured in quantities ranging from 0·06 in. at Leicester, to 0·38 in. at Newcastle-upon-Tyne.

In Centigrade degrees the mean temperature of the air last week at Greenwich was 3°·5 below zero; the highest day temperature in the shade was 1°·0; the lowest night temperature was 12°·3 below zero; the highest temperature in sun was 12°·5. The mean temperature of the week on an average of 50 years was 3°·0, or 6°·5 above the temperature of last week. The wind blew at the rate of 12 kilometres an hour.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 179,238 cubic metres, and at Barking 216,655 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons.

ANALYSIS OF METROPOLITAN WATERS FOR DECEMBER.

SIR,

Royal College of Chemistry, 31st December, 1870.

I HAVE the honour to submit to you in the following table the results of the chemical examination of the waters supplied to the Metropolis during the month of December. For the purpose of comparison I append also the results yielded by the waters supplied to Birmingham, Glasgow, and Canterbury, also by well-waters, from Canterbury, and by the water supplied by the South Essex Water Company.

All the metropolitan waters were delivered in a clear and transparent condition except that of the Chelsea Company, which, on the 12th instant was slightly turbid owing to imperfect filtration: a week later the water delivered by the same Company was very turbid and of repulsive appearance. No living organisms were detected amongst the suspended matter, but the water was unfit for domestic use, without previous filtration.

By the application of Clark's process of purification to the Grand Junction Company's water, the proportion of organic matter was considerably reduced; the total solid impurity was diminished to less than one half, and the hardness to less than one fourth of its original amount. The water so purified is bright and sparkling and pleasant to the taste; unlike the water delivered by the company, it does not curdle soap and block up the pores of the skin with an unctuous and dirty solid when it is used for personal ablution. It also washes linen clean without the use of destructive chemicals. There is no reason, except that of the slight expense of the process, why the whole of the water supply of London should not be thus purified before delivery, since, at Canterbury, Tring, Caterham, and other places, this method is successfully carried out on a large scale.

The New River and Kent Companies are again distinguished from the rest of the Metropolitan Companies by the, comparatively, very small proportion of organic elements contained in the water supplied by them.

Dr. Hill reports that, on the 5th instant, the Birmingham water supply was clear, and that, since last month, the quality had very considerably improved, owing to a diminution in the quantity of the organic elements.

I have, &c.

The Registrar General, &c., &c.

E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Car- bon.	Organic Nitro- gen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total com- bined Nitro- gen.	Previous Sew- age or Animal Contamina- tion. (Esti- mated.)	Chlorine.	Total Hard- ness.
THAMES.											
Chelsea - - -	{ 12th December, Cab Rank, Horse Guards }	5·5	27·70	·196	·023	·000	·293	·316	2610	2·00	20·60
West Middlesex -	{ 6th December, Cab Rank, Portland-road }	6·4	27·48	·188	·030	·000	·226	·256	1940	1·85	20·60
Southwark and Vauxhall - - -	{ 6th December, Cab Rank, St. George's Church, Borough }	5·8	29·08	·139	·038	·000	·259	·297	2270	1·95	21·78
Grand Junction -	{ 8th December, 14, Lancaster Gate, Hyde Park. }	6·7	28·84	·166	·024	·000	·271	·295	2390	1·92	20·60
Ditto, softened by Clark's process -	{ 8th December, 14, Lancaster Gate, Hyde Park. }	5·0	14·10	·118	·021	·001	·256	·278	2250	1·93	4·86
Lambeth - - -	{ 6th December, Cab Rank, Lambeth-road }	5·5	28·92	·218	·036	·000	·278	·314	2460	2·00	21·20
OTHER SOURCES.											
New River - - -	{ 6th December, Cab Rank, Tottenham- court-road }	6·7	30·44	·023	·009	·000	·286	·295	2540	1·50	22·70
East London - - -	{ 7th December, Slater's Lamp Black Works, Old Ford-road }	6·1	32·75	·112	·020	·000	·208	·228	1760	1·96	24·22
Kent - - -	{ 7th December, Deptfd. Bdge. Police Stat. }	11·1	39·32	·085	·019	·000	·336	·355	3040	2·15	29·70
South Essex - - -	{ 25th October, Romford - - - }	—	43·64	·105	·028	·000	·813	·841	7810	5·60	27·54
Birmingham * - -	{ 5th December, Birmingham Water Supply }	—	22·64	·290	·031	·002	·267	·299	2375	1·41	16·85
Canterbury - - -	{ 29th October, Water Supply Water leav- ing Well - - - }	10·8	33·60	·012	·012	·000	·426	·438	3940	2·10	26·34
	{ Water Supply softened by Clark's Process - - - }	10·8	11·94	·000	·000	·000	·431	·438	3990	2·10	4·86
	{ Public Pump in Cobden- place - - - }	—	68·12	·047	·023	·024	2·362	2·405	23500	6·60	37·15
	{ Public Pump in Passage out of Sun Inn-yard - }	—	105·00	·154	·143	·405	4·946	5·422	52470	13·10	54·30
Glasgow - - -	{ 3d August, Water Supply from Loch Katrine - - - }	16·7	2·40	·185	·022	·001	·000	·023	0	·85	·88
Column 1	2	3	4	5	6	7	8	9	10	11	12

* Analysed by Dr. Alfred Hill, of Queen's College, Birmingham.

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 12th December at the Horse Guard's cab-rank had a temperature of 5°·5 C.; 100,000 lbs. of it contained 27·7 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·196 lb. of carbon and ·023 lb. of nitrogen. This solid impurity also contained ·293 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was ·316 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or animal matter equivalent to 2610 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the Company, this sewage contamination had been, so far as analysis can show, converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 2·0 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 20·6 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

TABLE 1. LONDON.—Births and Deaths Registered LAST WEEK, and in the FIFTY-SECOND Week of Ten previous Years.

	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Average of 10 Weeks.	1870
TOTAL Births	1488	1523	2146	2303	1956	1674	1900	1701	2505	2309	1951·0	2041
Males . . .	734	780	1099	1176	1000	869	990	887	1303	1205	1004·3	1076
Females . .	754	743	1047	1132	956	805	910	814	1202	1104	946·7	965
TOTAL Deaths	1407	1148	1553	1642	1697	1603	1436	1433	1629	1996	1554·4	1760
Males . . .	682	556	775	832	846	773	753	724	833	1028	780·7	894
Females . .	725	592	778	810	851	830	683	709	791	968	773·7	866

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1860-69 after raising the average by a tenth part for increase of population.

TABLE 2. LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Oct. 8.	Oct. 15.	Oct. 22.	Oct. 29.	Nov. 5.	Nov. 12.	Nov. 19.	Nov. 26.	Dec. 3.	Dec. 10.	Dec. 17.	Dec. 24.	Dec. 31.
TOTAL Deaths - - -	1279	1416	1334	1266	1343	1468	1639	1652	1482	1586	1737	1377	1760
Deaths under 5 years of age -	526	579	573	537	568	644	674	712	629	647	688	540	672
Deaths 5—20 - - -	150	169	141	123	141	136	150	131	126	159	154	143	150
Deaths 20—40 - - -	197	198	183	159	203	195	219	212	198	219	253	205	250
Deaths 40—60 - - -	203	233	198	225	198	236	276	244	222	239	278	215	294
Deaths 60—80 - - -	166	194	206	179	190	220	265	293	255	230	301	218	322
Deaths at 80 years & upwards	37	43	33	43	43	37	55	60	52	42	63	56	72
Deaths from Smallpox - -	27	13	17	21	23	40	45	41	60	61	44	82	110
" Measles - - -	11	19	20	13	27	19	36	24	33	27	27	25	29
" Scarlet Fever -	192	198	192	167	174	150	162	122	130	116	135	104	110
" Diphtheria - -	9	11	8	9	7	4	10	5	11	7	9	6	8
" Whooping-cough	16	20	24	17	10	20	28	26	25	32	44	33	49
" Typhus fever - -	12	17	12	6	10	13	12	6	12	12	9	16	10
" Enteric (or Ty- phoid) fever - - -	23	22	26	24	20	19	22	23	21	26	23	30	21
" Simple Cont ^d fever	19	8	3	7	15	8	13	10	15	16	15	12	13
" Diarrhœa - - -	35	38	25	29	16	13	18	18	12	13	12	9	6
" Simple Cholera -	1	2	1	1	2	—	—	—	—	1	—	—	—
" Phthisis - - -	146	165	153	136	148	154	176	165	144	167	173	144	185
" Bronchitis - - -	82	107	124	117	120	196	216	257	222	244	249	174	265
" Pneumonia - - -	51	70	72	78	81	95	107	116	89	101	114	75	105
" Heart Disease -	66	58	66	70	61	75	81	75	79	71	74	57	88
Mean Temperature of the Air	54·1	47·1	49·7	48·2	44·1	39·1	37·6	46·8	38·9	32·5	42·8	33·0	25·7
Mean Temperature of the Water of the Thames - }	—	—	—	—	—	—	—	—	—	—	—	—	—
Humidity of the Air - - -	86	79	86	88	90	90	90	87	87	89	92	78	85
Rain-fall in inches - - -	0·20	0·14	1·38	1·16	0·47	0·04	0·18	0·95	0·01	0·84	1·70	0·17	0·42

Note.—The population of Cities and Boroughs in 1870 (see Table 3.) is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census, it is probable that the estimate may in some instances be erroneous. The estimates for Leicester, Nottingham, Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the municipal authorities that the rate of increase in those towns since 1861 has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna is good enough to supply the returns for that city.

The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—W. C. Ellis, Esq., F.M.S., Portsmouth; C. M. Gibson, Esq., F.M.S., Norwich; J. Thrustans, Esq., F.M.S., Wolverhampton; D. Smith, Esq., F.R.A.S., F.M.S., Birmingham; H. Billson, Esq., F.M.S., Leicester; M. O. Tarbotton, Esq., F.G.S., F.M.S., Nottingham; J. Hartnup, Esq., F.R.A.S., Liverpool; T. Mackereth, Esq., F.R.A.S., F.M.S., Eccles, near Manchester; G. V. Vernon, Esq., F.R.A.S., F.M.S., Old Trafford, Manchester; D. Doncaster, Esq., jun., F.M.S., Sheffield; J. McLandsborough, Esq., F.G.S., F.M.S., Bradford; Ed. Filliter, Esq., F.G.S., F.M.S., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

TABLE 5.—DEATHS IN LONDON Registered in the FIFTY-SECOND Week of the Year 1870.

In the Week ending Saturday, December 31, 1870.										In the Week ending Saturday, December 31, 1870.																																	
Deaths of Persons of the Ages										Deaths of Persons of the Ages																																	
ALL AGES.		Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.		ALL AGES.		Under 20.		20 and under 40.		40 and under 60.		60 and under 80.		80 Years and upwards.																					
Mean Tem.		0-5.		5-20.								Mean Tem.		0-5.		5-20.																											
Mean Temperature -		37° 7		25° 7								Mean Temperature -		37° 7		25° 7																											
ALL CAUSES -		1554° 4		1760		672		150		250		294		322		72																											
SPECIFIED CAUSES		1539° 0		1751		667		150		248		294		320		72																											
ZYMOTIC DISEASES.																																											
ORDER 1.																																											
Small-pox -																								14° 7		110		50		25		31		4									
Measles -																								42° 7		29		26		3													
Scarlet Fever (Scarlatina) -																								69° 2		110		69		37		4											
Diphtheria -																								11° 3		8		4		3		1											
Quincy -																								1° 3		1		1															
Croup -																								20° 4		15		14		1													
Whooping-cough -																								53° 8		49		49															
Typhus -																								10		1		2		3		3		1									
Enteric or Typhoid Fever -																								57° 5		21		4		4		10		2		1							
Simple continued Fever -																								57° 5		13		3		6		2		2		2							
Erysipelas -																								9° 4		10		3				4		3									
Puerperal Fever (Metria) -																								4° 8		3				1		2											
Carbuncle -																								7		1		1				1											
Influenza -																								1° 2		1		1															
Dysentery -																								2° 2		1		1															
Diarrhoea -																								14° 4		6		4				2											
Simple Cholera -																								3		1						1											
Ague -																								4		1						1											
Remittent Fever -																								1° 1																			
Rheumatism -																								7° 6		8				3		1				4							
Other Zymotic Diseases -																								1																			
ORDER 2.																																											
Syphilis -																								6° 9		10		9				1											
Stricture of Urethra -																								5																			
Hydrophobia -																																											
Glanders -																								1																			
ORDER 3.																																											
Privation -																								5																			
Want of Breast-milk -																								8° 5		5		5															
Purpura and Scurvy -																								1° 4		2				1													
Alcohol (a Del. Tremens)																								15° 6		2						2											
Intemperance -																								2° 5																			
ORDER 4.																																											
Thrush -																								2° 7		2		2															
Worms, &c. -																								1		1		1															
CONSTITIONAL DIS.																																											
ORDER 1.																																											
Gout -																								2° 0		4						1		3									
Dropsy -																								16° 0		10		2				2		5		1							
Cancer -																								26° 2		34				1		7		15		10		1					
Cancerum Oris (Noma) -																								7		6																	
Mortification -																								3° 1		6								5		1							
ORDER 2.																																											
Scrofula -																								8° 9		8		6				1		1									
Tabes Mesenterica -																								15° 8		11		10		1													
Phthisis -																								168° 8		185		6		15		85		71		8							
Hydrocephalus -																								30° 0		23		20		3													
LOCAL DISEASES.																																											
ORDER 1.																																											
Cephalitis -																								12° 7		9		8						1		2							
Apoplexy -																								42° 0		38		5				4		14		13		2					
Paralysis -																								34° 3		46				2		4		9		25		6					
Insanity -																								3° 2		2						1		1									
Chorea -																								4																			
Epilepsy -																								7° 2		5		2		1				1									
Convulsions -																								53° 4		54		53		1													
Brain Disease, &c. -																								18° 0		18		4		2		6		6									
ORDER 2.																																											
Pericarditis -																								1° 6		4				2		1				1							
Aneurism -																								2° 3																			
Heart Disease, &c. -																								42° 7		88				9		17		29		28		5					
ORDER 3.																																											
Laryngitis -																								7° 9		9		6		2				1		8		16					
Bronchitis -																								209° 9		285		91		2		10		54		88		1					
Pleurisy -																								3		3		1		1				1									
Pneumonia -																								93° 2		105		67		5		11		11		9		2					
Asthma -																								16° 9		23						2		7		14							
Lung Disease, &c. -																								17° 5		22		7		8		2		5		5							
ORDER 4.																																											
Gastritis -																								9		3		1				1		1									
Enteritis -																								5° 0		5		1						4									
Peritonitis -																								4° 8		1				1													
Acidities -																								3° 3		9						4		2		3							
Ulceration of Intestines -																								2° 3																			
Hernia -																								4° 2		10		1				5		3		1							
Hæus -																								3° 7		2		1				1											
Intussusception -																								1° 1																			

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence."

TABLE 6. LONDON.—POPULATION, BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET during the Week ending

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include													
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Euteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Institutions.
LONDON	2,803,989	2041	1760	360	394	110	29	110	8	49	10	21	13	6	80	119	296
WEST DISTRICTS.																	
St. Mary Paddington WH	458,125	294	300	60	70	17	10	24	8	8	2	2	1	-	17	16	49
St. John Paddington H	618,210	449	396	65	87	27	3	27	1	10	5	9	4	-	22	42	86
Kensington Town W	383,221	182	171	26	34	5	-	9	2	6	-	-	-	1	10	17	36
Brompton H	571,158	447	380	100	71	47	8	8	1	14	2	3	1	4	22	32	55
St. Peter Hammersmith	773,175	669	513	100	132	14	8	42	1	16	1	7	7	1	9	12	70
St. Paul Hammersmith H																	
Fulham W																	
Chelsea South H	21654	15	11	5	5	-	-	2	-	-	-	-	-	-	-	-	-
Chelsea North-west WH	19859	15	14	5	8	-	-	4	-	-	1	-	-	-	-	-	-
Chelsea North-east	21856	17	13	7	1	-	-	3	-	-	-	-	-	-	-	-	-
Hanover Square	19773	4	4	-	2	-	-	1	-	-	-	-	-	-	-	-	-
May Fair W	12855	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgrave H	55113	24	23	3	5	-	1	2	-	-	1	-	-	-	3	2	6
St. John Westminster H	37483	15	38	6	3	12	5	2	-	1	-	-	-	-	-	-	-
St. Margaret Westminster WH	30730	24	30	5	6	4	-	2	-	-	-	1	-	-	1	1	15
St. James's Square	10753	4	8	1	2	-	-	1	1	-	-	-	-	-	1	1	-
Golden Square W	13966	7	12	-	2	-	-	1	-	2	-	-	-	-	-	-	3
Berwick-street	10607	4	9	2	-	-	-	-	-	-	-	-	-	-	1	1	-
St. Anne Soho	17426	4	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-
NORTH DISTRICTS.																	
All Souls Marylebone H	29952	21	16	3	4	-	-	-	-	-	1	-	-	-	1	1	5
Cavendish Square	15090	4	5	1	-	-	-	1	-	-	-	1	-	-	-	-	-
Rectory Marylebone W	26692	19	25	6	7	-	-	-	-	1	-	-	-	-	-	1	14
St. Mary Marylebone H	22493	8	6	2	2	1	-	-	-	1	-	-	-	-	-	-	-
Christchurch Marylebone	34913	21	10	2	1	-	-	3	-	-	-	-	-	-	-	-	-
St. John Marylebone	32540	17	11	1	1	1	-	1	-	-	-	-	-	-	-	1	-
Hampstead WH	19106	21	15	2	3	6	-	-	-	-	-	-	-	1	-	-	10
Regent's Park Pancras	34927	15	14	1	6	-	-	-	-	-	-	-	-	-	1	2	7
Tottenham-court WH	29371	29	23	3	5	-	1	-	1	1	-	-	-	1	1	5	3
Gray's Inn Lane H	27808	24	18	2	5	-	-	2	1	2	-	-	-	-	1	1	-
Somers Town	33092	16	22	4	3	-	-	1	-	2	-	2	-	-	1	1	-
Camden Town W	23266	12	14	2	5	1	-	-	-	-	-	-	-	-	2	5	9
Kentish Town	44317	39	49	7	10	3	-	5	-	1	-	1	1	-	5	7	-
Islington West* WHH	75442	54	73	9	15	13	-	7	-	3	3	5	1	-	4	10	22
Islington East W	79899	67	40	8	8	1	1	4	-	1	-	-	-	-	-	-	-
Stoke Newington	6908	5	3	-	-	-	-	-	-	-	1	-	-	-	1	1	-
Stamford Hill	5483	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Hackney	24265	19	13	1	2	-	-	1	-	-	-	-	-	-	-	-	-
Hackney WH	31481	35	28	8	7	1	1	-	-	-	-	-	-	-	2	3	9
South Hackney L	15438	20	10	3	2	-	-	1	-	-	-	-	-	-	1	3	-
CENTRAL DISTRICTS.																	
St. George Bloomsbury	17392	5	5	1	2	-	-	-	-	-	-	-	-	-	-	1	-
St. Giles South WH	19483	12	9	2	1	-	-	-	-	-	-	-	-	-	-	-	4
St. Giles North	17201	7	8	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Long Acre	11618	6	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Charing Cross WH	11071	2	7	1	1	-	-	-	-	-	-	-	-	-	-	1	3
St. Mary-le-Strand	10346	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
St. Clement Danes H	13207	7	9	1	2	-	-	1	-	-	-	-	-	-	2	2	5
St. George-the-Martyr H	19903	10	9	-	1	1	-	1	1	-	-	-	-	-	-	-	7
St. Andrew East Holborn W	12847	4	8	4	1	-	-	-	-	-	-	-	-	-	1	-	-
St. Martin Hill	12922	2	6	2	1	-	-	1	-	-	-	-	-	-	-	-	-
St. James Clerkenwell W	19152	9	9	3	2	-	-	-	-	1	-	-	-	-	-	-	1
Amwell Clerkenwell	17250	11	8	-	4	-	-	-	1	-	-	-	-	1	-	3	1
Pentonville	13079	7	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Goswell-street	16280	18	9	4	3	1	-	-	-	-	-	-	-	-	-	1	1
Old-street	11504	8	5	1	-	-	-	1	-	1	-	-	-	-	-	2	-
City-road HL	17880	28	10	2	3	1	-	-	-	-	-	-	-	-	-	1	4
Whitecross-street	14778	6	4	1	1	-	-	-	-	1	-	-	-	-	-	-	-
Finsbury	12931	7	4	2	-	-	-	-	-	-	-	-	-	-	1	1	-
St. Botolph East London	20990	9	11	2	3	-	-	-	-	-	-	-	-	-	1	2	-
Cripplegate	19697	8	8	2	1	-	-	1	-	-	-	-	-	-	-	2	-
St. Sepulchre WH	11750	3	12	-	-	-	-	1	-	-	-	-	-	-	-	2	11
St. Bride W	15395	7	8	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Castle Baynard	7762	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch	9020	1	4	-	1	-	-	2	-	1	-	-	-	-	-	-	-
Queenhithe	8570	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allhallows Barking	8659	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Broad Street	11544	1	4	-	-	1	-	-	-	1	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely,

W—Workhouse;

H—Hospital;

L—Lunatic Asylum;

W—A Workhouse not belonging to the district in which it is situated.

* The Small-pox and Fever Hospitals are situated in the sub-district of Islington West.

† Officials of Public Institutions are not included.

VER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT
Sunday, 31st December 1870.

REGISTRARS' SUB-DISTRICTS.	POPULATION, 1861.	Total Births during the Week.	Total Deaths during the Week.	The DEATHS registered in the Week include														
				Under 1 Year of Age.	60 Years of Age and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple con- tinued Fever.	Diarrhoea.	Violence.	Inquest Cases.	In Public Insti- tutions.	
EAST DISTRICTS.																		
lyswell Shoreditch	17313	8	5	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Leonard Shoreditch Lt	19183	4	10	1	1	3	1	-	-	-	-	-	-	-	1	1	1	1
oxton New Town W	25316	17	11	2	2	3	-	-	-	1	1	1	-	-	-	-	-	-
oxton Old Town -	25777	19	26	6	5	7	1	-	-	-	-	1	1	-	-	2	4	-
aggerstone West W	23260	20	21	2	7	6	-	1	-	-	1	1	1	-	-	-	-	4
aggerstone East	17310	11	13	4	2	1	2	-	-	-	-	-	-	-	-	-	-	-
ackney-road	26298	27	24	10	-	9	-	-	-	-	2	-	-	-	-	-	-	-
reen, Bethnal Green WH Lt	31789	30	24	4	3	-	-	-	-	-	-	-	1	-	2	-	-	5
urch, Bethnal Green	25528	15	9	4	1	1	-	1	-	-	2	-	-	-	-	-	-	-
own, Bethnal Green	21486	10	14	6	-	4	-	-	-	-	-	-	-	-	-	-	-	-
artillery Whitechapel	6557	3	5	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
italfields	15700	9	8	3	1	1	-	1	-	-	-	-	-	-	1	1	1	-
ile End New Town W	15392	13	21	5	5	1	-	1	-	-	-	-	-	-	-	5	8	9
hitechapel North	12122	9	9	2	3	-	-	-	-	-	1	-	1	-	-	-	1	-
hitechapel Church H	8062	4	18	3	3	-	-	-	-	-	-	-	-	-	-	5	5	12
oodman's Fields -	11166	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ldgate -	9971	4	3	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-
ary St. George East	18181	9	6	2	1	-	-	-	-	-	-	-	-	1	-	1	2	-
Paul St. George East	21015	11	12	4	3	1	-	-	-	-	-	-	-	-	-	1	2	-
John St. George East W	9695	8	11	3	2	-	1	-	-	-	-	-	-	-	-	-	-	7
adwell W	12537	3	8	1	2	-	-	-	1	1	-	-	-	-	-	1	1	1
atchell WH	16874	10	13	3	2	1	-	-	-	-	1	-	-	-	-	-	-	-
imehouse W	27161	21	5	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-
ile End Old Town West	33747	31	29	7	4	2	-	-	-	-	-	-	-	-	-	-	-	-
ile End Old Town East Wto	39817	50	24	5	9	1	-	1	-	-	1	1	-	-	-	-	-	4
ow Wto Lt	35667	58	38	13	10	2	-	1	-	-	-	-	-	-	-	2	3	9
oplar W	43529	38	20	7	3	1	1	-	-	-	1	-	-	-	-	1	1	3
SOUTH DISTRICTS.																		
hristchurch Southwark W	17069	9	9	3	2	1	-	-	-	-	-	-	-	-	-	-	-	3
Saviour Southwark H	19101	17	10	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ent-road	19632	22	10	2	1	-	-	-	-	-	-	-	1	-	-	-	-	-
orough-road W	16968	14	13	1	6	-	-	-	-	-	-	-	-	-	-	2	-	7
ondon-road L	19190	15	7	3	-	1	1	-	-	-	-	-	1	-	-	-	1	-
rinity Newington	22675	18	12	3	3	1	-	2	-	1	-	-	-	-	-	-	-	-
St. Peter Walworth W	44463	49	36	9	14	-	1	2	-	1	-	1	-	1	-	-	-	7
St. Mary Newington H	15082	5	14	-	2	1	-	1	-	-	-	1	-	-	3	3	5	5
St. Olave Southwark H	7663	3	8	-	1	-	-	-	-	-	-	-	-	-	-	1	1	8
St. John Horsleydown W	11393	4	6	1	2	1	-	-	-	-	-	-	-	-	-	-	-	1
ather Market	16696	9	12	2	1	2	-	2	-	-	-	-	-	-	-	-	-	-
St. Mary Magdalen W	16505	13	9	4	5	-	-	-	-	-	1	-	-	-	-	-	-	5
St. James Bermondsey	25154	36	24	4	5	-	-	2	-	-	4	-	1	-	-	-	-	-
otherhithe W	24502	24	19	5	4	-	-	1	-	1	1	-	1	-	-	-	-	1
Waterloo-road 1st	15269	11	13	3	1	3	-	1	-	-	-	-	1	-	-	-	-	-
Waterloo-road 2nd H	18640	14	8	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
ambeth Church 1st	18839	17	12	3	3	1	-	-	-	-	-	-	-	-	-	-	1	-
ambeth Church 2nd W	23542	26	24	5	8	-	3	1	-	3	1	-	-	-	-	-	-	12
ennington 1st	30785	21	22	3	8	1	-	3	-	-	-	-	-	-	-	1	1	-
ennington 2nd	20440	21	15	5	4	-	-	-	-	1	-	-	-	-	-	-	-	-
rixton -	20067	13	13	1	6	-	-	2	-	-	-	-	-	-	-	1	3	-
orwood W	7462	21	7	2	-	-	-	-	-	1	-	2	-	-	-	-	-	-
apham	20894	17	10	1	3	-	1	-	-	1	-	-	-	-	-	-	-	-
attersea W	19090	38	28	3	6	1	-	5	-	-	1	-	2	-	-	-	-	5
andsworth L	12346	6	7	3	2	-	-	2	-	-	-	-	-	-	-	-	-	1
utney -	6481	6	6	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
reatham	10082	6	3	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-
ulwich	1723	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
amberwell WH Lt Lt	21297	22	17	3	4	-	1	4	-	-	-	-	-	-	-	-	1	5
ackham W	23135	33	22	7	8	-	1	-	-	-	-	-	1	1	-	-	-	1
St. George Camberwell	23633	25	11	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Paul Deptford	37534	36	25	8	6	-	-	2	-	1	1	-	-	-	1	-	-	-
St. Nicholas Deptford	8139	3	3	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
reenwich West	21696	12	9	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
reenwich East WH	18306	14	16	-	7	-	-	-	-	-	-	-	-	-	-	-	-	9
atham	3009	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ee	11003	7	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ewisham Village W	7372	7	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
edenham	10595	15	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
harlton H	9276	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
oolwich Dockyard H	22919	5	10	2	1	-	-	2	1	-	-	-	-	-	-	-	-	-
oolwich Arsenal H	18776	14	14	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-
umstead, West	24502	6	9	3	1	-	-	3	-	-	-	-	-	-	-	-	-	-
umstead, East		11	5	-	2	-	-	1	-	-	1	-	-	-	-	-	-	-

The following are OUTLYING WORKHOUSES (indicated in the Tables by w):

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district. Holborn Workhouse is in Hoxton New Town sub-district.
The Strand " " Tottenham-court sub-district. London City " " Mile End Old Town Eastern sub-dist. and
London City " " Islington East. Stepney " " Bow sub-district.
Do. do. " " Hackney sub-district. " " " Bow sub-district.

† Lunatic Asylums where paupers are admitted.

TABLE 7. —METEOROLOGICAL OBSERVATIONS taken at the ROYAL OBSERVATORY, GREENWICH, during the Week ending Saturday, 31st DECEMBER, 1870.

READINGS OF THERMOMETERS.										DIFFERENCE										WIND.				RAIN.	Inches
MOON.	Phases of Moon.	BARO-METER. Mean daily reading (corrected to 32 deg. Fahr.).	Dry.				Dew Point.	Lowest in the sun, as shown by a thermometer.	Highest in the shade, as shown by a self-registering thermometer.	In the Water of the Thames at Greenwich, by self-registering thermometers.			Between Dew Point and Air Temperature.		Between mean temperature of the day and the temperature of the same day on an average of 50 years.*	As deduced from Anemometers.		General Direction.	Oiler's.	Amount of Horizontal Movement of Air on each day.	Robinson's.				
			High-est.	Low-est.	Range in day.	Mean daily value.				Mean daily value.	Great-est.	Least.	A. M.	P. M.		Great-est.	Least.								
1870.																									
MONTH AND DAY.																									
DECEMBER.																									
..	25	In. 29.537	28.2	9.8	18.4	20.6	19.6	31.5	3.8	0	0	0	1.0	5.9	0.0	-17.0	95	Calm	N. by E.	1.2	0.0	0.0	126	0.00	
..	26	29.725	33.0	22.7	10.3	28.3	27.2	35.9	22.7	..	..	..	1.1	3.2	0.0	-9.1	95	N. by E.	NNE & NE.	0.6	0.0	0.0	210	0.02
..	27	29.674	29.2	22.0	7.2	26.2	22.7	37.5	18.0	..	..	..	3.5	6.8	0.0	-11.1	85	ENE.	NNE, NE, & ESE.	1.1	0.0	0.1	243	0.26
..	28	29.698	33.4	25.4	8.0	29.6	24.2	52.8	24.7	..	..	..	5.4	9.5	0.4	-7.6	79	ENE & NE.	NNE & NE.	0.6	0.0	0.0	204	0.12
First Quarter	29	29.854	33.7	22.0	11.7	27.9	22.3	54.5	18.0	..	..	..	5.6	9.0	1.7	-9.4	78	NE.	NNE.	0.7	0.0	0.1	209	0.00
In	30	30.026	29.8	19.0	10.8	24.0	19.8	52.8	14.0	..	..	..	4.2	7.0	1.7	-13.4	83	ENE.	NNE.	0.3	0.0	0.0	165	0.02
..	31	30.099	28.7	15.8	12.9	23.3	18.7	36.3	8.9	..	..	..	4.6	8.0	0.9	-14.2	81	NNE & NE.	NE & Calm	0.6	0.0	0.0	126	0.00
..	..	29.802	30.9	19.5	11.3	25.7	22.1	43.0	15.7	..	..	..	3.6	7.1	0.7	-11.7	85	NE.	..	..	..	Sum 1263	Sum 0.42	
8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
No. of Columns																									

DATE.

DECEMBER.

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

25

26

27

28

29

30

31

Cloudless till the evening, then overcast. Foggy during the morning. A very fine day. At Norwich the lowest temperature was 59°; at Leicester 7°; at Nottingham 8°; and at Wolverhampton 9°-3.

Generally cloudy till the evening, small amounts of cloud were prevalent till about 10h. p.m., then again overcast. Snow fell occasionally during the day, and heavily between 10h. p.m. and 11h. p.m.

Cloudy throughout. Snow fell almost continuously throughout the day. Depth at 9h. p.m. 3.8 inches.

Large amounts of cloud were prevalent during the day, with the exception of the period comprised between 10h. a.m. and 2h. p.m. Snow fell frequently, and at 10h. a.m. its depth upon the ground was 6 inches.

A fine day. Small amounts of cloud were prevalent till the evening; then overcast.

Generally cloudy. Snow fell continuously from noon till about 3h. 30m. p.m.

Overcast throughout. A little snow fell about noon. The lowest temperature at Wolverhampton was 7°-2; at Birmingham 11°-0; at Leeds 11°-3, and at Newcastle 12°-0.

ELECTRICITY.

SKY AND ATMOSPHERE.

NOTES.

The electrical apparatus was out of order.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. a.m.; noon; 3h. p.m.; and 9h. p.m., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich. In the 50 years ending 1845, December 31. * In reading the 17th column it will be borne in mind that + is read "higher," and "lower," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The observations of the temperature of the Thames water are for the present stopped, owing to the Dreadnought Hospital Ship ceasing to be used as an hospital.

The reading of the barometer decreased from 29.57 in. at the beginning of the week to 29.53 in. by 10h. p.m. on the 25th; increased to 29.75 in. by 7h. p.m. on the 26th; and was to 29.60 in. by 9h. p.m. on the 27th; increased to 30.13 in. by 9h. a.m. on the 31st; and was 30.07 in. at the end of the week.